

Amarja Bhosale

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PROFILE SUMMARY

- Quick learner and excellent team player.
- Creative in finding solutions to problems.
- Organized and Timely in providing reports on specific data findings and their impact on organizational growth and success.
- Self-starter with ability to meet tight deadlines.
- Good decision-making skills.

PROFESSIONAL SUMMARY

- 7 years of experience in Assistant Professor.
- Experience in Compiler Construction, Computer Organization, Database Engineering, Digital System and Microprocessor, Java Programming Lab, Advance Programming Lab (C#), Data Structure Lab and Advance Microprocessor lab
- Implemented curriculum for undergraduate courses incorporating innovative teaching methods to engage students in active learning and critical thinking.
- Mentored and supervised graduate students in their research projects, providing guidance and support to help them achieve their academic and professional goals.
- Collaborated with colleagues from diverse disciplines on interdisciplinary projects, fostering a collaborative and inclusive learning environment for students.
- I was a research scholar from 2016 to 2018 under the TEQUP program
- 1.5 years of experience in software development.
- Experience in Object Oriented Design, Development, Implementation and Maintenance of software applications.
- Core technology focused areas include Java, spring, Spring MVC, Spring Boot, RESTful Web Services and Web API.
- Knowledge of Design Pattern in java like Singleton, Factory Design Pattern
- Excellent written and verbal communication skills clear understanding of business procedures and ability to work in team as well as individual.

PROFESSIONAL EXPERIENCE

Organization	Period	Role
Department of Technology SUK	June 2017-May 18	Teaching Assistant
Department of Technology SUK.	June 2018 to Present	Assistant Professor

Aymeric Tech Solutions Pvt Ltd, Pune.	Jan 2019 to April 2020	Java Developer
Department of Technology SUK.	Jan 2025	Ph.D. Scholar

SKILLS

Category	Skills
Programming Languages/Framework	Framework Java, Spring MVC, Spring Boot
Technologies	Core Java, Java 8, RESTful Web Services, Web API, HTML 5, JSP.
Database	MySQL
Server Technology	Apache Tomcat 9
Tools	Eclipse, Maven, Jira, Postman

PROJECTS

1. Project Title: Student Information System (C#) 2014-2015

Technologies: .Net

Front End: HTML, CSS, JavaScript.

Database: Microsoft SQL

Description:

- This project is basically used in Student management system and student administration system is a management information system for education establishments to manage student data.

Responsibilities:

- Implementing role-based access for different users (e.g., students, teachers, administrators). Secure login and logout system for various users. Allowing users to manage and update their personal information (name, contact details, etc.) Facilitating the process of enrolling new students, storing their personal and academic information. Managing student data, including attendance, grades, and personal information. Monitoring student performance and generating reports based on grades, attendance, and participation. Allowing students to register for courses each term/semester.

2. Project Title: AneffectiveAuthenticating encryptedanddecrypteddata(ImageProcessing) 2015-2016

Technologies: C# (.NET Core)

Front End: HTML 5, CSS 3, JavaScript.

Database: MySQL

Description:

- This project is basically used in Privacy protection of outsourced data using experiment is carried out on the repository of text files with variable size

Responsibilities:

- The responsibilities for authenticating, encrypting, and decrypting data in image processing projects involve securing the image data at multiple stages—during storage, transmission, and access. The focus is on ensuring the confidentiality, authenticity, and integrity of the image data, using encryption algorithms, authentication techniques, and integrity checks. In addition, optimizing performance and ensuring the system can scale as data volume increases are also key responsibilities.

3. Project Title: Online Framework 2017-18

Technologies: ASP.NET (for building the user interface)

Front End: HTML, CSS, JavaScript.

Database: SQL Server or any other relational database to store exam data, user profiles, grades, etc.

Description:

- This project is basically used in We design web framework to handle online framework related operations.

Responsibilities:

- Provide clean interfaces for students (exams), teachers (exam creation, grading), and admins (management). Ensure exams are accessible across devices (desktop, mobile, tablet). Provide exam countdowns, submission confirmations, and live notifications. Handle exam creation, scheduling, and question randomization (MCQs, essays, coding questions). Manage authentication (login, roles) and secure exam sessions (anti-cheating mechanisms like browser lockdown). Auto-grade objective questions, provide manual grading for subjective answers, and generate detailed reports. Integrate live monitoring or AI-based proctoring to prevent cheating during exams.

4. Project Title: Attributebasedstoragecontrolwithsmartdeduplicationfilterusinghybrid cloud. 2017-18

Technologies: Java, spring, Spring Boot.

Front End: HTML 5, CSS 3, JavaScript, Bootstrap

Database: MySQL

Description:

- This project is basically used in Data secrecy as well de-duplication provided for encrypted data.

Responsibilities:

- Worked on spring boot framework as a backend for designing and developing RESTful web services.
- Planned, documented and executed tests to ensure code changes meet requirements and specifications.
- Developed code to do different functionalities using Spring MVC, Spring Boot and Web API.
- Performed unit testing, ensured quality assurance of applications through system testing.

5. Project Title: Sky (Monitor and Track the project activity) 2019

Technologies: Java, spring, Spring Boot.

Front End: HTML 5, CSS 3, JavaScript, Bootstrap

Database: MySQL

Description:

- This project is basically used in telecommunication domain. The application has

modules like tracking, team assignment, billing, document generation etc. which are essential for project activity transparency. It completes the entire process from work allocation to billing for the team.

Responsibilities:

- Worked on spring boot framework as a backend for designing and developing RESTful web services.
- Planned, documented and executed tests to ensure code changes meet requirements and specifications.
- Developed code to do different functionalities using Spring MVC, Spring Boot and Web API.
- Performed unit testing, ensured quality assurance of applications through system testing.
- Gave suggestions for story implementations.
- Used JIRA as a project management and issue tracking tool.
- Actively participated in daily scrum meetings.

6. Project Title: Dialysis – Patient Treatment and Monitoring System 2019

Technologies: Java, spring, Spring Boot.

Front End: HTML 5, CSS 3, JavaScript, Bootstrap

Database: MySQL

- **Description:** The Dialysis project was developed in the healthcare domain to streamline and manage the treatment lifecycle of dialysis patients. The application includes modules for patient registration, treatment scheduling, real-time monitoring, session tracking, and billing. It ensures accuracy and consistency in patient care by automating administrative and medical workflows. The project architecture and development approach were similar to the Sky project, focusing on modular design, process efficiency, and comprehensive tracking of activities from treatment planning to billing.

Responsibilities:

- Developed RESTful APIs using Spring Boot to handle core backend operations.
- Implemented various modules using Spring MVC to support patient management and session tracking.
- Conducted unit and integration testing to validate functionality and ensure compliance with healthcare standards.
- Participated in story grooming sessions and provided suggestions for functional improvements.
- Utilized JIRA for issue tracking, sprint management, and workflow documentation.
- Collaborated with cross-functional teams in daily stand-up meetings to align on development goals and progress.

Paper Publication

- “Attribute based storage mechanism with de-duplication filter: A Review Paper” Third International Conference on Information and Communication Technology for Competitive Strategies (ICTCS-2017)
- “Attribute-based storage control with smart De-duplication filter using hybrid cloud” Fourth International Conference on Computing Communication Control and Automation (ICCUBE-2018)
- Data Storage with Attribute-based Encryption and De-duplication Filter on Hybrid Cloud. 9th International Conference on ICT for sustainable development goa Indi

CERTIFICATION

- Full Stack Java developer - Java + JSP + Restful WS + Spring
- Master Spring Boot 3 & Spring Framework 6 with Java
- Learn JIRA with real-world examples (+Confluence bonus)
- Complete DApp - Solidity & React - Blockchain Development.
- [NEW] Master Microservices with Spring Boot, Docker, Kubernetes.

Faculty Development Program

- "Amazon Web Services" During the period of 22nd August 2022 to 27th August 2022 Organized by Department of Technology, Shivaji University, Kolhapur.
- "Research Methodology: Tools and Techniques" organized by Department of Computer Science & Engineering of Bharati Vidyapeeth's College of Engineering, Kolhapur from 24th March to 25th March 2023.
- AICTE Training and Learning (ATAL) Academy Online Advanced FDP on "Application of Artificial Intelligence in Research and development" from 22/11/2021 to 26/11/2021 at CSIR -Advanced Materials and Processes Research Institute, Bhopal 462026.
- AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "IoT in Health Care" from 12/12/2021 to 16/12/2021 at Indian Institute of Information Technology, Nagpur.
- AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Internet of Things (IoT) -Challenges and Applications" from 15/11/2021 to 19/11/2021 at Deenbandhu.
- Certificate of Participation in Paid FDP from 2022-05-23 to 2022-05-28 on Moodle Learning Management System organized by Department of Technology, Shivaji University Kolhapur.
- "AI for Future" organized by electronics and ICT Academy IIT Roorkee in association with KG Reddy college of engineering and Technology, Hyderabad and CPJ institute of management and technology Narela Delhi held from 16th Dec to 21st Dec 2024.

Training Program

- Training Programme for CISCO Certified Network Associate.
- One week online short-term training program on the art of prompts: unblocking generative AI from 9th Dec to 14th Dec 2024.
- National Level short term training program on java full stack with React JS & AI organized by Brain-vision solution Hyderabad in association with all India council for technical education during the period 2nd to 22nd December 2024.
- One Week Online Short-Term Training Program on "Applications of Deep Learning" organized by department of computer science & engineering G. H. Raisoni college of engineering Nagpur from 4th to 8th Feb 2025.
- One Week Online Short-Term Training Program on "The Art of Prompts: Unblocking Generative AI" organized by PICT COE Pune From 9/12/24 to 14/12/24.

Webinar

- Attend webinar on IOT and Application.
- Attend national level webinar on cyber security to all.

Workshop

- International workshop on demystify the coding mastering data structures, algorithms and problem solving conducted from 2nd to 6th sept 2024 organized by inspire Softech solutions, Chennai.
- TEQIP-III sponsored online workshop on curriculum design as per OBE philosophy during 9th Feb. To 24th Feb. 2021.

EDUCATION

2016- 2018

Master of Computer Science and
Technology (MTech)
Department of Technology, Shivaji
University Kolhapur, Maharashtra, India
First Division with Distinction 8.18 CGPA.

2012- 2016

Bachelor of Computer Science and Engineering (BE)
TPCT, COE Osmanabad, Maharashtra, India.
First Division with Distinction 75.93%.

2011 - 2012

HSC
State Board of Maharashtra, India.

2010

SSC
State Board of Maharashtra, India.

PERSONAL DETAILS

- **Date of Birth:** 13 January, 1995
- **Languages known:** English, Hindi and Marathi
- **Interests:** Sports, Video Games, Travel, Car Ride.
- **Address:** At. Post –Gunjoti, Tal-Omerga, Dist-Osmanabad, 413606 Maharashtra, India.

DECLARATION

- I hereby declare that all the above information provided by me in this application is Factual and correct to be the best of my knowledge and belief.

