

Bhavani Sai Narayana Pottipothula

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Education

Arizona State University

Master of Science in Information Technology

Tempe, AZ

January 2024 - December 2025 (Expected)

SRM Institute of Science and Technology

Bachelor's in Computer Science and Engineering With Specialization in Cloud Computing

Chennai, India

June 2019 - May 2023

Technical Skills

Programming Languages: Java, Python, Golang

Web & Frameworks: Spring Boot, React, HTML, CSS, JavaScript

Database/Cloud: MySQL, PostgreSQL, AWS

Tools & Platforms: Git, GitHub, VS Code, Eclipse, Linux

Experience

Associate Software Engineer

January 2023 - November 2023

BNP Paribas ISPL

Chennai, India

- Contributed to the modernization of a legacy banking application by developing and deploying 5+ Spring Boot microservices, improving scalability and maintainability.
- Optimized SQL queries and applied indexing techniques, improving API response times by up to 35%, resulting in more efficient business operations.
- Integrated AWS S3 for document storage and implemented Role-Based Access Control (RBAC) with IAM roles, streamlining access management and improving security protocols.
- Utilized MySQL and JPA to manage data persistence, ensuring data consistency and reliability across microservices.
- Collaborated with team using Git, contributing to 15+ code merges and 3 major features, ensuring code quality and smooth integration.

Software Engineer Intern

January 2022 - April 2022

HighRadius

Chennai, India

- Developed and optimized frontend components for an invoice management system using HTML, CSS, and React, improving the UI/UX and responsiveness.
- Managed version control with Git, collaborating with team members by creating branches, resolving merge conflicts, and submitting pull requests.
- Participated in daily stand-ups and sprint planning, contributing to project timelines and ensuring timely delivery of features.

Projects

MentorTrack – Student Project and Portfolio Management System

- Developed a role-based full-stack web application enabling students to showcase portfolios and institutions to monitor progress and provide feedback.
- Implemented backend APIs using Spring Boot, Spring Security, and Hibernate ORM with MySQL database integration.
- Created responsive front-end interfaces with JSP and integrated React components to enhance user experience and enable real-time updates.
- Utilized Eclipse IDE, MySQL Workbench, Visual Studio Code, Bootstrap for efficient development & deployment.

Cloud-Based File Sharing and Storage System

- Developed a scalable file-sharing system using AWS S3 for storage and EC2 for backend hosting, enabling secure file management and real-time sharing.
- Implemented AWS IAM for access control, ensuring secure file sharing with encryption and automated backups.
- Created a responsive frontend with React.js, enhancing the user experience by enabling quick file uploads and retrieval.

Certifications

- AWS Certified Solutions Architect - Associate
- AWS Certified Cloud Practitioner.

Leadership & Activities

- Led a 4-member team in AWS Jam, solving real-world challenges in IAM, cost optimization, and cloud architecture.
- Captain of ASUPL Cricket Team, managed a 20-member squad and guided them to a championship win (Spring 2025).