

SAI BHANDARI

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EDUCATION

M.S. Information Technology

Arizona State University, Tempe, AZ

Graduating May 2024

4.0/4.0 GPA

Bachelor of Engineering

Savitribai Phule Pune University, Pune, IND

Aug 2016 - May 2020

3.6/4.0 GPA

TECHNICAL SKILLS

Tools: Git, Jenkins, Selenium, Elasticsearch, Ansible, Test Ng, Tableau, Dev-Ops, Jira, Chai, Agile, Linux, Power BI
Development Technologies: JS, React, Angular, SQL, MongoDB, Node, Spring-Boot, API, Flutter, Firebase, Django
Programming Languages: Python (Python Developer Specialization Certificate), Java, TypeScript, C++
Certifications: AWS Certified Solutions Architect Associate([link](#)), Azure (AZ 900), AWS specialization ([link](#))

PROFESSIONAL EXPERIENCE

Arizona State University, Tempe, AZ

Mar 2023 - Present

Software Developer (Part Time)

- Developed a mobile app in Flutter to serve 5000+ users. Used Django and Firebase for back-end to create a RESTful architecture supporting 40+ different API calls.
- Implemented unit and integration testing with JUnit, Mockito and pytest, achieving 95% code coverage.

The Decision Theater Network, Tempe, AZ

May 2023 - Aug 2023

Software Developer (Summer Intern) ([link](#))

- Developed a React app with implementation of a real-time chat feature managing 500+ messages per minute through Java Spring Boot AWS API Gateway. Introduced SOS feature through AWS SNS, aiding 30 users.
- Engineered a data processing pipeline using Apache Kafka and Spark, to enhance user data analytics, improving the app experience for over 1,000+ users.

Infosys LTD, India

Nov 2020 - Aug 2022

Specialist Programmer

- Led a team of 4 for creating a payment gateway for Saudi Payments using Angular, Node, Express, and MongoDB resulting in 25% reduction in processing time.
- Established an automated Dev-Ops (CI/CD) pipeline and transitioned project management to JIRA and Git, saving 50% time in deploying and managing the project.

System Engineer Specialist

- Programmed and deployed 150+ RESTful APIs for banking functionality using Java, Python, and JavaScript, while adhering to industry-standard coding and security practices.
- Performed load/stress testing and written unit/integration/e2e test cases in TestNG, JUnit, Chai-Mocha, Protractor, and Selenium for backend and frontend, ensuring 98% code coverage for VISA's payment functionality.

Decyfertech IT solutions, India

Mar 2019 - Oct 2020

Co-founder

- Acquired 11 clients and delivered 15+ websites using effective business management and CRM strategies, while utilizing Agile methodologies to manage a team of 10 developers in Angular, Node, Java, and WordPress.
- Streamlined python-based development processes, reducing time and costs by 20%, and improved software performance by 15% through code usage analysis and quality optimization.

PROJECTS

Real time code collaboration web-app

Jan 2023 - Mar 2023

- Implemented a distributed system using Node.js, Express, Redis, and WebSocket that facilitated real-time collaborative editing for maximum 100 concurrent users, reducing conflict resolution time by 35%.
- Architected a microservice based infrastructure using Docker and Istio for service mesh, which improved system scalability by 60%, resilience by 40%, and leads to an 80% reduction in downtime during rollouts via CI/CD.

Kira Skin Cancer predictor ([link](#))

Sep 2022 - Dec 2022

- Created a live skin cancer detection and classification website in angular and NodeJS. Integrated sequential CNN ML model in user interface to generate prediction with 83% accuracy.
- Employed AWS services such as S3, CloudFront, and Lambda for scalable and efficient hosting, while leveraging AWS Amplify and Cognito for seamless deployment, user authentication, and access management.

EXTRACURRICULAR & ACHIEVEMENTS

- ASU Data Lab: Web Developer (Angular, Java, AWS, Linux, Data Analysis).
- Road Condition & Obstacle indication Patent & IEEE Research Paper ([link](#)).