DIVYA BOJANKI

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SUMMARY

Software Engineer with deep expertise in **data structures, algorithms, and object-oriented design**, adept at leveraging design patterns to architect optimized, maintainable systems. Proficient in **React, Angular, and D3.js** for creating interactive front ends, and experienced in **Java, Python, Flask, Supabase, and SQL** for building robust backends. Skilled at balancing time and space complexity, practicing test-driven development within Agile teams to deliver high-performance and data-driven web applications that exceed user and business requirements.

EDUCATION

Master's in Computer Software Engineering   August 2023 - May 2025

Arizona State University, Tempe, USA   3.70 GPA

Coursework : Advanced-Data Structure, Data Visualization D3.js, Foundations of Software Engineering, Mobile Systems.

Bachelor of Technology in Computer Science   August 2019 - July 2023

Jawaharlal Nehru Technological University Kakinada, India   3.70 GPA

Coursework : Object Oriented Programming through Java, Python, Data Mining, Machine Learning, Database Management (RDBMS), Advanced Data Structure and Algorithms.

SKILLS

Programming: JavaScript, Java, Python, SQL, PostgreSQL, React, Redux, Angular, Vue.js, HTML, CSS, REST API, D3.js, Bootstrap, Flask.
Tools: CI/CD (Git/GitHub), VS Code, Eclipse, IntelliJ, Jenkins, Microsoft Sharepoint, Photoshop, InfinityFree, AWS, Firebase.
Methodologies: Agile Methodology, Microservices Architecture, Integration, Software development lifecycle, RESTful APIs, AI Powered Filtering (Cosine similarity), OOPS.
Certificates: Python, HTML5, CSS, Machine Learning, SQL.

EXPERIENCE

RTD Support, Knowledge Enterprise, Arizona State University   June 2024 - May 2025

- Resolved access and connectivity issues in **SharePoint**, managed lists, libraries, and permissions to ensure smooth user operations.
- Facilitated in setup of **SharePoint communication and Teams sites**, along with user access and functionality upgrades.
- Achieving 90% ticket resolution within SLA timelines in **ServiceNow**. Used **Azure DevOps** for tracking and improving.

Hitachi Vantara, Intern   April 2023 - July 2023

- Enhanced AWS CDK stacks in **Java** and deployed changes
- Diagnosed and resolved HTTP 500 errors in **Spring Boot** microservices on AWS by analyzing logs, refining IAM permissions, and rolling out fixes through automated CI/CD workflows.
- Streamlined **SharePoint** site creation via a secure Spring Boot REST service (Azure AD–authenticated) interfacing with SharePoint's OData APIs, with end-to-end approval automation powered by Power Automate.

PROJECTS

TA and RA Application Filtering System   February 2025 - May 2025

- Developed the frontend using **React.js** and **Redux** for dynamic course and applicant views using Agile methodology.
- Implemented **RESTful APIs** with **Flask** for student-course matching and data management using version control and CI.
- Integrated **Supabase** as a backend database to store course, coordinator, and student data.
- Applied machine learning algorithms to score and rank applicants based on resumes and skills.
- Improved filtering accuracy by **45%**, reduced manual selection time by **60%** and used **Jest** testing.

IEEE website   September 2021 - December 2021

- Led the design and deployment of the IEEE SB GVPCE website using **HTML, CSS, Bootstrap, JavaScript, GitHub, and Infinity Free**, delivering a responsive platform with real-time update functionality.
- Integrated dynamic features, including an interactive carousel, event management system with yearly categorization, gallery, faculty profiles, and social media links, enhancing usability and engagement by **70%**.
- Streamlined event promotion through curated content and downloadable resources, boosting event participation rates by **50%** and providing users with easy access to essential information.

CO-CURRICULAR

IEEE WIE GVPCE | *Vice-chair, member*   2021 - 2023

- Led a team of designers to successfully execute events, ensuring impactful outcomes with required technical and issue management training.
- Contributed as Web and Graphic Design Member, designing promotional materials and web pages to advertise educational events.