

Vamshi Krishna Boju

vamshikrishnaboju11@gmail.com | +1 (806) 702-9091 | [LinkedIn](#) | [Github](#) | [LeetCode](#) | [Portfolio](#)

Education

Texas Tech University, MS in Computer Science, CGPA: 3.92/4.0 Aug 2023 – May 2025

Coursework: Software Engineering, Algorithms, Web development, computer Networks, Cryptography.

Vasavi College Of Engineering, BS in Computer Science, CGPA: 3.8/4.0 Aug 2019 – May 2023

Coursework: Java Programming, DSA, Agile Software, DBMS, Operating system, Automation and Testing.

Professional Experience

Web Developer, Texas Tech University – Lubbock, Texas Dec 2023 – Present

- Enhancing the Texas Tech University website using **React.js**, **Node.js**, **Express.js** and **MongoDB**, achieving a **30%** improvement in page load speed and ensuring seamless responsiveness across devices.
- Redesigning and implementing **interactive features** for student and faculty portals, boosting user engagement by **25%** through personalized content and intuitive navigation

Software Engineer Intern, LTIMindtree – Hyderabad, India Aug 2022 – June 2023

- Developed and optimized scalable full-stack web applications using **React.js**, **Node.js**, and **AWS**, enhancing system performance and user experience by **40%**.
- Engineered and enhanced modular back-end services and APIs, improving workflow efficiency and achieving a **15%** boost in **REST API** performance through profiling and debugging.
- Leveraged **AWS services like EC2, S3, and RDS** to deliver reliable, scalable cloud solutions while actively contributing to **Agile Scrum** practices, including feature development, bug resolution, and sprint planning.
- Achieved the **highest intern performance** in 2022 by reducing the bug backlog by **35 issues** and redesigning unit testing with **JUnit**, cutting testing and debugging time by **70%** and enhancing product stability.

Full Stack Intern, Blockfortrust – Hyderabad, India April 2021 – Oct 2021

- Designed and built responsive web interfaces and reusable components using **React.js**, **HTML**, and **CSS**, reducing development time for future features by **30%**.
- Collaborated in an **Agile team** to deliver UI updates on schedule in **100%** of sprint cycles and created interactive prototypes with **Figma** to streamline communication with stakeholders.

Skills

Languages: C, Java/J2EE, Python, JavaScript (ES6+), JSX, TypeScript, SQL, Go, Shell Scripting, HTML5, CSS.

Technology: React, Redux, vite, Angular, Docker, Django, Kubernetes, Spring Boot, ExpressJS, NodeJS, GraphQL, RestFul, Soap.

Databases: MySQL, Cassandra, MariaDB, MongoDB, PostgreSQL, Query Optimization, Indexing.

Tools: Postman, Git, Figma, AdobeXD, Node, Yarn, GitLab, Eclipse, VSCode, SQLDeveloper, Kafka, Jenkins.

Software Development: Design Patterns, Web services, Amazon AWS (EC2, S3, RDS, DyanmoDB), Azure, API Development, Google Cloud Platform (GCP), Agile Methodologies, Apache Kafka, Microservices, Linux.

Certifications: AWS Certified Solutions Architect – Associate, Microsoft Certified: Azure Fundamentals.

Projects

Connecting World

[Website](#)

- Established a MERN stack web app visualizing social connections through graph-based structures, representing users as nodes and relationships as edges, improving data rendering efficiency by **25%**.
- Designed and implemented **12 RESTful** endpoints to support features like "**Get in Touch**" and "**People Near You**", increasing user engagement by **30%**.
- Streamlined back-end APIs with **Node.js** and **MongoDB**, reducing response time by **20%** for complex graph queries.
- Engineered responsive web interfaces using industry-standard tools like **React Hooks**, **CSS**, and **JavaScript**.

MovieHub

[Website](#)

- Created a web application, Movie Hub, delivering **90%** accurate movie recommendations with a **Content-Based Filtering** model and features like search, genre filters, and watchlists, increasing feature adoption by **25%**.
- Implemented the frontend using **React.js** and the backend using **Spring Boot**, integrated with a **MySQL** database, and performed all **RESTful operations** to ensure efficient data handling and a seamless user experience.