

Ramya Harshitha Bolla

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Persistent and diligent full stack developer with over 2.5 years of experience leading successful projects, including developing user-friendly interfaces, resolving technical issues for hospitality systems and enhancing media platforms. Proficient in Angular, Node.js, and Python, with expertise in API integration and automation. Adept at leading development efforts, optimizing performance, and resolving critical issues. Contributing innovative ideas and ideal technical abilities to significant software development projects.

SKILLS

Frameworks : HTML, CSS, Bootstrap, Angular 2+, React, NgRx, RxJS

Languages : JavaScript, TypeScript, Python, Java, SQL

Database : MongoDB, MySQL

Tools & Version control : JIRA, GIT, GitLab, Visual Studio Code, Ghidra

WORK EXPERIENCE

Graduate Teaching Assistant | *University of Kansas*

Aug 2024 – Present

- Assisting the course instructor in training undergraduate students to mastering concepts in 'Introduction to Computing: Python' while recognizing student challenges and enhancing teaching strategies. Conducting weekly lab sessions and grading their assignments.

Software Engineer | *IDS Next Business Solutions Pvt Ltd*

Dec 2022 – Dec 2023

- Developed user-friendly interfaces for hotels, bars, and restaurants to simplify the front office operations such as room reservations, KOTs, billing process using Angular, TypeScript, JavaScript, HTML, and CSS, enhancing the overall user experience.
- Collaborated with product managers to simplify complex features, making the application more intuitive for end users.
- Took ownership of critical bug fixes and implemented rigorous unit testing, reducing post-release issues significantly and redeveloped legacy features to meet new client requirements, improving system functionality.
- Utilized Angular Pipes to enable dynamic language selection, ensuring localization based on user region.

Programmer Analyst | *Cognizant Technology Solutions*

Mar 2021 – Sep 2022

- Developed highly responsive, interactive UI components using ReactJS, JavaScript, HTML and CSS to enhance performance and user engagement.
- Collaborated with QA teams to automate 10,000+ test cases using Protractor and JavaScript, reducing smoke testing time from 6 hours to 30 minutes and resolved critical bugs, ensuring on-time and successful product releases.
- Participated in defect triage, status meetings, and walkthroughs, collaborating with cross-functional teams to align on requirements and optimize processes.

EDUCATION

University of Kansas, USA

Jan 2024 – Dec 2025

Master of Science, Computer Science [4.0/4.0]

SASTRA University, India

Jun 2017 – May 2021

Bachelor of Technology, Electronics and Communication Engineering

ACADEMIC PROJECTS

Stock Market Price Prediction using Machine Learning

- Utilized apple stock data for time series analysis and future price prediction. Implemented, trained and evaluated LSTM networks to model and predict price movements using metrics such as MSE and RMSE.

Quantum Key Distribution using Quantum Computing

- Simulated quantum key exchange leveraging qubits for enhanced encryption, ensuring secure communication.