Rohini Gudimetla

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Education

Boston University, Metropolitan College, Master of Science, Computer Information Systems — Expected: Dec 2025
- **Relevant Coursework:** Web Application Development, Software Design and Patterns, Agile Software Technology, Server Side Web Development, Information Systems Analysis and Design

Amrita School of Engineering, Bachelor of Technology, Electronics and Computer Engineering — Jul 2019 - Aug 2023

Skills & Interests

Languages: JavaScript, TypeScript, HTML, CSS, Python, Java, SQL (MySQL), R Language
Frameworks and Databases: ReactJS, Next.js, Node.js, Express.js, MongoDB, Firebase, Bootstrap CSS, Tailwind CSS, JUnit,
Tools: Git, Docker, Apache Kafka, Google Cloud Platform, Microsoft Azure, Machine Learning, Deep Learning, Data Science
Project Management: Jira, Notion, Asana

Professional Experience

World Salon, Front End Developer Intern – New York, NY — July 2024 - Present
- Developing and enhancing user-friendly web applications using HTML, CSS, JavaScript, and React, ensuring technical feasibility and optimizing for speed.
- Collaborating with backend developers to integrate RESTful APIs for seamless data flow.
- Participating in code reviews, debugging sessions, and agile development processes to maintain code quality and contribute to project goals and deadlines.

Project Experience

Orca - Job Application Management Web Application (In Progress)
- Developing a web application called Orca to streamline job application tracking, featuring a dashboard with a to-do list, analytics, and status tracking.
- Utilizing React, Node.js, Express.js, and MongoDB to ensure dynamic front-end functionality, secure API integration, and efficient database management.
- Designed to track job applications, manage customized resumes, and deliver actionable analytics to streamline and optimize the job search process.

Cogito - AI Brainstorming Assistant Web Application (In Progress)
- Developed an AI-based brainstorming assistant web application called Cogito to facilitate critical thinking by prompting users with thoughtful questions based on input.
- Utilized Next.js 14, Tailwind CSS, Firebase, and NextAuth for frontend development, real-time database management, and secure user authentication.
- Leveraged the OpenAI API and integrated third-party libraries to generate contextually relevant questions, enhancing user engagement during brainstorming sessions.

Contactless Lie Detection using Machine Learning
- Developed a contactless lie detection system utilizing machine learning and deep learning models, achieving a 70% accuracy rate in identifying deception based on facial and behavioral cues.
- Established an ETL pipeline with Python, Kafka, and SQL to ensure the accuracy and completeness of data, enhancing the reliability of the system.
- Employed computer vision and machine-learning classification algorithms to analyze facial expressions and other nonverbal cues from 20 participants, enhancing the system's robustness.

Certifications

Programming and Software Development: Advanced React from Meta (In Progress), Object-Oriented Programming in Java from UC San Diego

Data Engineering: ETL and Data Pipelines with Shell, Airflow and Kafka from IBM