

Rohini Gudimetla

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Education

Boston University, Metropolitan College, Master of Science, Software Development Expected: Aug 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