ROHINI GUDIMETLA

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Education:

Boston University, Metropolitan College, Boston, MA
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, Bangalore, India
Bachelor of Technology, Electronics and Computer Engineering **Jul 2019 - Aug 2023**

Skills & Interests:

Languages: HTML, CSS, Bootstrap CSS, Tailwind CSS, JavaScript, Typescript, Java, Python, MySQL, R Language
Frameworks: ReactJS, Next.js, JUnit
Tools: Git, Firebase, Google Cloud Platform, Microsoft Azure, Machine Learning, Deep Learning, Data Science, Big Data Analytics, Statistical Data Analysis, Docker, Apache Airflow, Apache Kafka

Professional Experience:

World Salon, New York, NY **July 2024 - Present**
Front End Developer Intern

- 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:

C**ogito-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.

University Management System Chatbot

- Designed and implemented a Python Flask-based chatbot for the university management system, incorporating deep learning techniques and PyTorch.
- Implemented a sophisticated system enabling the chatbot to automatically comprehend and respond to user inquiries, leveraging artificial neural networks with an error rate of 0.02.
- Collaborated with a team of 3 and engaged university staff to gather comprehensive user requirements.

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.