ADITI RAJ

Gaya,Bihar

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EDUCATION

National Institute of Technology, Andhra Pradesh   **2021 –2025**
*B.Tech in Electronics and Communication Engineering - **CGPA - 9.08***

Modern Academy High School   **2019 –2021**
Senior Secondary & CBSE Board **Percentage** *-**92.4%***

SKILLS

Languages: Python, Java, SQL
Web Developement: HTML, CSS, JavaScript
Tools: VS Code, Intellij Idea, GitHub, Git, Jupyter Notebook
Libraries/Frameworks: Flask, Next.js, Tailwind CSS
Concepts: Machine Learning, Object-Oriented Programming, Database Management System, Data Structure

PROJECTS

Real time face detection for multimodal speech recognition | Python,OpenCV,CNN,TensorFlow
- Developed real-time facial detection system using Python, OpenCV, and TensorFlow, achieving 95% accuracy in speaking identification at 20 FPS processing speed.
- Optimized ResNet18 CNN model with 3000 training images, improving voice assistant accuracy by 35% in noisy environments.
- Used facial landmark detection pipeline tracking 68 points in real-time, reducing system latency by 40% while maintaining accuracy across multiple faces.

MedEase-Healthcare application| HTML, Tailwind CSS, Next.js, TypeScript
- Developed a patient management application with Next.js enabling patients to register, book, and manage appointments.
- Implemented administrative features like confirming, cancelling appointments and SMS notifications.
- Utilized Appwrite for user authentication, file storage, and Sentry for performance monitoring; ensured responsive design using TailwindCSS.

INTERNSHIP

Rancho Labs ⧉   **May 2024-July 2024**
Tech Instructor Intern   *Remote*
- Led 180+ hours of live Python programming sessions for 50+ students, achieving 90% positive feedback.
- Restructured and delivered engaging curriculum, technical skills and understanding of Python,ML applications.

Liveasy Logistics   **Feb 2024-March 2024**
Web Developer Intern   *Remote*
- Built 5+ responsive web pages using HTML5, CSS3, and JavaScript, reducing load time and increase in user engagement.
- Implemented technical SEO optimizations that improved organic search rankings by 60% and increased website traffic.

EXTRACURRICULAR

- **ECEA05:** Executive Member [certificate]
- **ECE Herald:** Magazine Designer

ACHIEVEMENTS AND CERTIFICATIONS

- **NPTEL:**Achieved a top 1% ranking with Elite + Silver badge in DBMS [certificate]
- **Forage:**Completed Developer and Technology Job Simulation from Accenture [certificate]
- **Udemy:**Completed Javascipt Course for Beginners [certificate]
- **Leetcode:**Solved 300+ problems on Leetcode. [Profile]
- Achieved the highest SGPA of 9.8 in the 4th semester, demonstrating academic excellence and mastery of the coursework.