

Sai Praneeth Reddy Kaithi

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EDUCATION

Master of Science in Computer Science

Expected May 2027

University of North Carolina at Charlotte (UNCC), North Carolina

Concentration: Artificial Intelligence, Robotics, and Gaming

Bachelor of Technology in Computer Science

June 2025

CVR College of Engineering, Hyderabad, India

GPA: 9.41

TECHNICAL SKILLS

Programming	:	Python, JavaScript, Java, C
Web Development	:	HTML, CSS, Bootstrap, React, Node.js, Express, REST APIs
Databases	:	MySQL, MongoDB, SQL
Tools & Visualization	:	Git, Jupyter, VS Code, Postman, Tableau, Microsoft Power BI

ACADEMIC PROJECTS

LoRa-Based Energy Monitoring System [IoT, Embedded Systems]

Summer 2025

- Developed an IoT-enabled energy monitoring system that uses LoRa communication for long-range, low-power data transmission.
- Prototyped hardware with microcontrollers and sensor nodes (energy meters, pressure sensors) to capture room-wise and device-wise consumption data.
- Integrated a cloud-based dashboard for real-time visualization, anomaly detection, and predictive insights, enhancing monitoring efficiency.

Healthcare Management Platform [MERN Stack]

Fall 2024

- Built a scalable MERN-stack-based platform capable of handling high user traffic efficiently, ensuring seamless functionality during testing.
- Implemented a chatbot feature for instant symptom checks and appointment scheduling, increasing patient engagement by 30%.
- Designed an intuitive appointment management system to minimize scheduling errors and improve booking efficiency in future deployments.

Real-Time Collaborative Code Editor [MERN Stack]

Spring 2024

- Led the development of a real-time collaborative code editor in a team of four during the Google BIT N BUILD Hackathon.
- Integrated an in-editor chat feature with sub-200ms response time, enhancing collaboration without external tools.
- Handled over 40 concurrent users during testing, showcasing the application's scalability.

CERTIFICATIONS

Computer Networking, Scaler

Completed June 2025

Java Full-Stack, Wipro

Completed October 2024