

# SAI PANINDRA PECHETTI

Full Stack Developer | Electronics & Communication Engineer

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## EDUCATION

### Bachelor of Technology in Electronics and Communication Engineering

Raghu Institute of Technology | Expected: May 2026

CGPA: 7.75/10

## TECHNICAL SKILLS

**Programming Languages:** Python, Java, JavaScript, HTML5, CSS3, SQL  
**Web Technologies:** React.js, Node.js, Express.js, MongoDB, Flask  
**AI/ML & Data Science:** Machine Learning, PyTorch, Pandas, NumPy, NLP  
**Tools & Platforms:** Git, GitHub, Linux, Tableau, Cloud Computing  
**Core Technologies:** IoT, Embedded Systems, Arduino, Raspberry Pi, VLSI Design

## PROFESSIONAL EXPERIENCE

### Full Stack Web Developer | Slash Mark | Current

- Working on real-time client projects using the MERN stack for scalable applications
- Developing responsive web applications and implementing modern development practices
- Focus on user experience optimization and performance enhancement

### AI & ML with Data Science Intern | YBI Foundation | Dec 2024 – Feb 2025

- Trained on real-world datasets and applied ML models using Python
- Gained experience in data preprocessing, model training, and evaluation techniques
- Implemented machine learning algorithms for practical applications

### Java Full Stack Developer Intern | Data Pro | Aug 2023 – Oct 2023

- Built robust backend services and responsive front-end interfaces
- Worked with Java technologies for full-stack application development
- Gained experience in database integration and API development

## KEY PROJECTS

### Smart Traffic Management System using IoT & AI

Built a smart traffic controller using Arduino, Raspberry Pi, and ultrasonic sensors. Analyzed live camera feeds with OpenCV and adjusted signal timings dynamically using Flask and MQTT.

### Character-Level GPT Language Model using PyTorch

Developed a custom GPT-like model generating Shakespearean-style text from scratch. Implemented core transformer concepts like self-attention and positional encoding.

## ACHIEVEMENTS & CERTIFICATIONS

- **LeetCode:** 150+ problems solved
- **GitHub:** 181+ commits across various projects
- **Certifications:** Accenture Developer Simulation, TATA Data Visualisation, IBM Python for Data Science
- **Languages:** Fluent in English, Hindi, and Telugu