SAI PANINDRA PECHETTI

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EDUCATION

Bachelor of Technology in **Electronics and Communication Engineering**   Expected Graduation: May 2026
Raghu Institute of Technology | CGPA: 7.75/10

SKILLS

Languages: Python, Java, JavaScript, HTML, CSS, SQL
Web/Tools: React.js, Node.js, Express.js, MongoDB, Git, Linux, Tableau
AI/ML: Machine Learning, Artificial Intelligence, NLP
Core CS: Data Structures and Algorithms, Object-Oriented Programming (OOP)
Technologies & Domains: Cloud Computing, Embedded Systems, Internet of Things (IoT), Cyber Security, VLSI Design

INTERNSHIP

Slash Mark | Full Stack Web Development | Current

• Working on real-time client projects using the MERN stack for scalable applications.

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

• Trained on real-world datasets and applied ML models using Python.

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

• Gained experience in building backend services and responsive front-end interfaces.

PROJECTS

Smart Traffic Management System using IoT & AI

- Built a smart traffic controller using Arduino, Raspberry Pi, and ultrasonic sensors to detect vehicle density.
- Analyzed live camera feeds with OpenCV and adjusted signal timings dynamically using Flask and MQTT.
- Helped reduce traffic congestion by automating decisions based on real-time data.

Character-Level GPT Language Model using PyTorch

- Developed a custom GPT-like model that generates Shakespearean-style text from scratch at the character level.
- Implemented core transformer concepts like self-attention, positional encoding, and deep learning layers in PyTorch.
- Demonstrates a strong understanding of how modern generative models function at the architecture level.

CERTIFICATIONS

- Developer and Technology Job Simulation **– Accenture**
- Data Visualisation: Empowering Business with Effective Insights **– TATA**
- Python for Data Science – **IBM**
- AI for Beginners – **HP Foundation**

PROFESSIONAL PROFILE & TECHNICAL HIGHLIGHTS

- **Competitive Programming**: Solved 150+ problems on LeetCode
- **GitHub Portfolio:** https://sai3570-je.github.io/Sai-Portfolio/
- **Languages:** Fluent in English, Hindi, and Telugu