**SAI PRANAV THOTA**

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**Experience**

* **AI Intern – ThetaZero May 2025 – Present**
  + Developed an AI-driven pipeline that performs OCR extraction using Azure Computer Vision to convert handwritten and printed content into structured digital text.
  + Integrated LLM-based content generation to automatically generate educational summaries, flashcards, and quizzes from extracted content.
  + Designed and implemented a modular ETL system to process data and persist results in MongoDB, enabling fast retrieval and searchability.
  + Built and deployed components in Python using libraries such as FastAPI, PyMongo, LangChain, and Azure SDKs, following modular and scalable design principles.

**ACADEMIC PROJECTS**

* **Hand Gesture Recognition** 
  + Implemented an innovative deep learning model to classify and identify multiple hand gestures with an impressive accuracy of 98%.Utilized TensorFlow and MediaPipe for real-time gesture detection and processing. Integrated Scikit-learn for data analysis and OpenCV for computer vision techniques. Showcased proficiency in deep learning through the seamless combination of multiple tools and technologies.
  + [*GitHub - saipranav-thota/HandGestureRecognition-tensorflow-mediapipe*](https://github.com/saipranav-thota/HandGestureRecognition-tensorflow-mediapipe/tree/main)
* **JobSeeker AI – Intelligent Resume Matcher**
  + Built an AI system that takes resumes as input, generates embeddings using Sentence Transformers, and matches them to job listings via cosine similarity. Retrieved job descriptions using an AI-powered web search module and stored results in MongoDB for semantic comparison. Improved match accuracy over traditional keyword-based methods.

**EDUCATION**

* Vellore Institute of Technology

B.Tech in Electronics and Computers(2022 - Present) CGPA(B.Tech)**:**  8.90

* FIITJEE Junior College(2022) SSC(XII): 94%
* The Brigade School CBSE(X): 86%

**SKILLS**

* **Technical:** c, c++, Java, Python, HTML, CSS, JavaScript, SQL, Flask
* **Languages:** English, Hindi, Telugu, German(basics)

**Certificates**

* Microsoft Azure Data Fundamentals
* IBM Data Science Professional Certificate - [link](https://coursera.org/share/33e5d402e9441df47cc2b06be626ae84)

**Extracurricular Activities**

* Leadership & Management: Showcased leadership, teamwork, and problem-solving as a central committee member for TechnoVIT, and assisted faculties in SENSIBLES with adaptability, time management, and a strong work ethic for academic activities.