

**Esta Tharun**

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## ◆ Professional Summary

Versatile and self-motivated **AI Engineer** with proven experience in **building scalable AI-powered applications**, evaluating **generative AI models**, and contributing to **end-to-end development** of computer vision and NLP systems. Proficient in **Python, OpenCV, Streamlit, and GPT APIs**, with hands-on practice in **CI/CD, debugging, and unit testing**. Adept at working independently and collaborating across teams to ship innovative AI solutions. Seeking a **remote, part-time AI Engineer role** to build impactful AI-driven products at **PMassistant.ai**.

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## ◆ Core Competencies

- **Programming:** Python, Java, SQL, REST APIs, Client-Server Architecture, Git
  - **AI/ML:** PyTorch, TensorFlow, Scikit-learn, BERT, OpenAI, LangChain, GPT-4
  - **Computer Vision:** YOLOv8, OpenCV, Real-Time Object Detection, Video Analytics
  - **Backend & Systems:** Streamlit, Flask (PoC), GitHub Actions (CI/CD), Unit Testing
  - **Deployment:** AWS (EC2/S3), Azure, GitHub, Streamlit Sharing, Container Basics
  - **DevOps & QA:** CI/CD pipelines, Debugging, Code Reviews, Logging, Issue Tracking
  - **Soft Skills:** Initiative, Remote Collaboration, Documentation, Communication
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## ◆ Professional Experience

### AI Intern – Computer Vision & LLMs

*Swecha Telangana & ViswamAi / Hyderabad, India (Remote) / May 2025 – Present*

- Independently **developed and deployed** real-time AI apps using Python, OpenCV, and YOLOv8.
  - Prototyped **LLM-based features** using GPT APIs and LangChain; implemented fine-tuned prompt systems.
  - Used **GitHub Actions** for CI/CD; maintained modular and **testable code** with clear structure.
  - **Led documentation efforts** for AI models and APIs in markdown wikis and dev notes.
  - Debugged system errors and bottlenecks, ensuring **scalable and efficient inference**.
  - Collaborated with ML and front-end teams to **integrate AI into live dashboards**.
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## ◆ Key Projects

### ◆ AI Video Surveillance System

- Designed a scalable CV pipeline with YOLOv5, real-time detection, and alerting via cloud services.
- Conducted error analysis and optimized **FPS vs. accuracy thresholds** for performance tuning.

### ◆ Resume-Job Matching System (NLP)

- Developed a **BERT-based semantic matcher** for resumes and job descriptions.
- Packaged as an interactive Streamlit app; integrated feedback loop for improvement.

### ◆ Mentor GPT (GPT Store)

- Built a GPT-powered academic advisor chatbot using OpenAI API & LangChain.
- Managed backend logic, session management, and **prompt tuning** for improved engagement.

### ◆ Portfolio Site (Full Stack AI Showcase)

- Created responsive portfolio with **live project demos and backend logic** walkthroughs.
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## ◆ Education

### Bachelor of Computer Applications (BCA)

*Osmania University – 2024*

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## ◆ Certifications

- ✓ AI Prompt Engineering Bootcamp – Udemy (2025)
  - ✓ Machine Learning with TensorFlow – Intellipaat
  - ✓ be10x AI Tools Workshop
  - ✓ ML Assessment – LearnTube
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## ◆ Leadership & Community

- Delivered internal sessions on **prompt engineering and GPT-based workflows**.
- Participated in community projects on **AI fairness**, accessibility, and governance.
- Contributor to open-source AI repos with README and issue documentation support.