Vigneshwar S U

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CAREER OBJECTIVE

Motivated and detail-oriented Full Stack Developer pursuing a B.Tech in Artificial Intelligence and Data Science. Skilled in building scalable web applications using Django, React.js, and Flask, with a strong interest in AI-driven solutions and intelligent systems. Passionate about developing efficient frontend and backend solutions, API integration, database management, and applying AI to solve real-world problems. Eager to contribute to dynamic teams and deliver innovative, AI-powered digital experiences.

EDUCATION

KGISL Institute of Technology, Coimbatore, Tamil Nadu
Bachelor of Technology in Artificial Intelligence and Data Science
2022 - 2026 | CGPA: 7.5

SKILLS

Languages : Python, Java, HTML, CSS, Javascript
Frameworks & Libraries: Django, Flask, FastAPI, React.js, Streamlit, LangChain, MediaPipe, YOLO
Databases: PostgreSQL, MySQL, MongoDB.
Tools & APIs: GitHub, GitHub Copilot, Gemini API, VS Code, Jupyter Notebook, Google Colab.

PROJECTS

- **Website for Incubation Center:** Developed a CRM and project management tool using Django for student-mentor collaboration.
- **Hackathon Management Website:** Designed a Django-based platform for team registration, idea submission, review, and abstract submission to streamline hackathon management.
- **PDF Q&A App:** Developed a LangChain-based RAG model to answer user questions from uploaded PDFs using contextual retrieval, integrated with Gemini API for advanced query understanding and response generation.
- **Academic Progress Tracking System:** Developed dashboards using React.js and a Flask backend with four role-based access levels to monitor faculty and student performance, assign tasks, and track academic progress across the institution.
- **CCTV Video Analysis Model:** Developed a model using YOLO for real-time object detection and text summarization for crime detection during a Gen AI hackathon.
- **Personality Testing Platform:** Designed an interactive web application for conducting online personality assessments with dynamic question flow and result visualization.
- **Agri-Trade Platform (Client Project):** Built a Django web app for buying and selling rice, paddy, and pesticides with three-role login support for a consultancy client.

INTERNSHIPS & FREELANCING

- KGX Innovation Cell – Frontend Developer (Django) - August 2024
- Aquasub Engineering – FullStack Developer – September 2024
- Pinesphere Solutions – FullStack Developer - March 2025

LEADERSHIP & COMMUNITY INVOLVEMENT

Member & Fullstack Developer – IPS Tech Community, Kgisl Institute of Technology.
Contributed to technical event organization and developed applications for managing community activities and inhouse projects.

PARTICIPATIONS AND CERTIFICATIONS

- Scripting with Python and SQL for Data Engineering – Duke University (91.14%)
- Introduction to Front-End Development – Meta (99%)
- Participated in NASA Hackathon held at SNS College of Technology
- Participated in SIH Internal Hackathon held at KGISL Institute of Technology