

SAHID S

AI-Powered Python Developer

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OBJECTIVE

Enthusiastic Python Developer and M.Sc. Data Science candidate with hands-on experience in API development, AI/ML integration, and full-stack web and mobile application development. Eager to leverage strong programming, analytical, and problem-solving skills to contribute to innovative, scalable software development while continuously learning in a fast-paced environment.

WORK EXPERIENCE

Feb 2025 - Present

Python Developer (Full-Stack: AI + API + Web and Mobile) - Tactgen, Madurai

- Built and deployed production-ready Flask APIs, converting multiple scripts into scalable backend services with proper architecture and exception handling.
 - Integrated Azure OpenAI & CLIP for OCR, product description generation, image similarity search, and AI-driven automation workflows.
 - Developed major features for React Native apps (GOTTALOTT & GENPI): product listing, editing, cross-listing, pagination, UI/UX improvements, and authentication flows.
 - Implemented Razorpay payment integration, subscription logic, and backend–frontend connectivity for complete transaction flows.
 - Integrated external APIs including eBay Browse & Inventory API (OAuth2) and Google Custom Search API for automated product and image retrieval.
 - Engineered backend pipelines for Excel/CSV data processing, image fetching, catalog import/export, and automation using Pandas/NumPy.
 - Implemented advanced search systems: fuzzy search, autocomplete API, voice-to-text translation search, and hybrid GPT-powered search.
 - Developed enterprise-grade mobile modules for property management, contract orders, ticketing, and vendor dashboards with reusable components.
 - Delivered production Android APKs with Gradle, implemented offline handling, navigation fixes, and WebView-based app flows.
 - Performed deep API debugging, QA testing, and issue resolution across authentication, SSL, environment variables, GET/POST constraints, and data flows.
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TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript, TypeScript, SQL
 - **Frameworks & Libraries:** Flask, React Native, Streamlit, Pandas, NumPy, Matplotlib, Plotly, Scikit-Learn, TensorFlow
 - **Databases:** PostgreSQL, pgAdmin4, SQL Server Management Studio (SSMS)
 - **Tools:** Git, GitHub, VS Code, Postman, Android Studio, Hugging Face, Google Colab, Excel
 - **AI-Tools:** ChatGPT, Claude.ai, DeepSeek, Perplexity AI, Gemini, GitHub Copilot, Blackbox AI
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EDUCATION

Master of Science in Data Science

June 2024 - Present

The American College, Madurai

- CGPA: 7/10 (70%) till first semester.

Bachelor of Science in Computer Science

June 2021 - April 2024

Jamal Mohamed College, Trichy

- CGPA: 7.5/10 (75%)
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CERTIFICATIONS

- 100 Days of Code: The Complete Python Pro Bootcamp - Udemy
 - The Complete Full-Stack Web Development Bootcamp - Udemy
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PROJECTS

CricWin Pro – AI-Integrated IPL Win Prediction System

Python | Azure OpenAI GPT-4o | Scikit-learn | Streamlit | Plotly

- Engineered dual-model ML ensemble (Logistic Regression + Random Forest) processing 150K+ ball-by-ball deliveries to predict IPL match outcomes with feature-engineered metrics (CRR, RRR, wickets)
 - Integrated Azure OpenAI GPT-4o API to generate real-time match commentary, expert analysis, and power conversational IPL chatbot with session-based context management
 - Built interactive Streamlit web app with Plotly visualizations, displaying win probabilities, model comparison metrics (accuracy, precision, recall), and AI-driven insights
 - Implemented end-to-end ML pipeline: data preprocessing (756 matches, 10 teams), OneHotEncoding for categorical features, model training with stratified split, and pickle serialization for deployment
 - Achieved interpretable predictions by averaging ensemble probabilities and visualizing feature importance for Random Forest classifier
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SOFT SKILLS

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|-----------------------|------------------------|
| • Problem-Solving | • Communication Skills |
| • Attention to Detail | • Time Management |
| • Team Collaboration | • Critical Thinking |
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LANGUAGES

- English
 - Tamil
 - Hindi(Partly)
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