AJAY S

PYTHON FULL STACK DEVELOPER

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SUMMARY

Innovative Python Full Stack Developer with expertise in scalable web applications and AI-powered platforms. Proficient in Django, FastAPI, and React.js, with hands-on experience integrating LLMs (Llama-3). Demonstrated success in building secure platforms, backed by strong database optimization and modern cloud deployment.

SKILLS

- Languages: Python, JavaScript (ES6+), TypeScript, HTML5, CSS3, SQL.
- Frameworks & Libraries: Django, FastAPI, React.js, Bootstrap, Streamlit, Pandas, XGBoost.
- Databases & Cloud: MySQL, PostgreSQL, Vercel, Render, GitHub Actions (CI/CD).
- Tools & APIs: Groq API (Llama-3), Google OAuth 2.0, Git, REST APIs, Webpack.

PROJECTS

AI-Powered Mock Interview Platform | React.js, FastAPI, PostgreSQL, Groq (Llama 3) | [GitHub] | [Live]

- Engineered a full-stack AI platform simulating technical and HR interviews with real-time voice-to-text integration via the Web Speech API.
- Integrated PyPDF2 for resume parsing and utilized the Groq API (Llama-3) to dynamically generate tailored technical questions based on candidate profiles.
- Designed an AI evaluation system providing instant performance ratings and actionable feedback, deploying the scalable application via Vercel and Render.

ShopKart – Scalable E-Commerce Platform | Django, Python, MySQL, JavaScript, OAuth 2.0 | [GitHub] | [Live]

- Built a highly responsive e-commerce platform replicating industry-standard UI/UX with dynamic cart, wishlist, and multi-option payment interfaces.
- Implemented secure user authentication with Email OTP verification, integrating the Google Gmail API via OAuth 2.0 to bypass spam filters.
- Optimized database queries using Django ORM and engineered an advanced text and voice-search feature for efficient product filtering.

Gold AI Quant Pro – Trading Dashboard | Python, Streamlit, XGBoost, Pandas, Plotly [GitHub] | [Live]

- Architected a predictive engine utilizing an ensemble AI model (Random Forest, XGBoost) to forecast daily gold price movements and market trends.
- Developed an interactive dashboard for real-time data visualization, technical indicator calculations, and a risk-free paper trading simulator.
- Automated daily market analysis pipelines using GitHub Actions (CI/CD).

EDUCATION   2022 – 2025

B.Sc. Information Technology
A.G. Arts & Science College (Affiliated to Bharathiar University)
Relevant Coursework: Programming, Database Management, Web Development.