

Zaid Khan

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EDUCATION

Kennesaw State University <i>Bachelor of Science in Computer Science</i>	Atlanta, GA Jan 2023 - Dec 2025
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EXPERIENCE

Delta Air Lines <i>Software Engineering Intern – Python, SQL, Microsoft Suite</i>	Atlanta, GA May 2025 – Aug 2025
<ul style="list-style-type: none">Developed modular Python data-processing scripts using AWS Athena and Pandas, implementing timestamp alignment, outlier detection, and imputation to automate validation of GSE telematics data from 9 hubs.Built automated anomaly-detection scripts in Python to diagnose malfunctioning telematics devices across 2 hubs, reducing diagnostic latency and improving uptime of GSE equipment.Engineered asset-level usage models by creating features such as duration, time-of-day, and divisional usage, enabling accurate equipment clustering and seasonal forecasting for downstream analytics systems.Built Prophet-based forecasting scripts to generate predictive maintenance schedules by analyzing time usage data for airport critical GSE fleets, improving alignment of maintenance intervals with actual equipment usage.Developed Python-based data pipelines and clustering analyses to support an ML-driven prediction model for airport GSE demand, improving long-term resource planning.Collaborated with engineering and operations teams to refine data requirements and deliver reliable data transformations, supporting GSE analytics workflows.	
Kennesaw State University Robotics Competition Team <i>OWL Robotics Programming Lead – C++</i>	Marietta, GA Jan 2023 – Aug 2024

PROJECTS

Sustain Sync AI Engine <i>Docker, Django, Postgres, Python, React</i>	Aug 2025 – Dec 2025
<ul style="list-style-type: none">Engineered and deployed a REST API with 9 production endpoints for utility-bill analytics using Django views, serializers, and PostgreSQL to ensure reliable data ingestion and management.Built AI analysis and forecasting services by integrating Prophet for time-series predictions and implementing a RAG pipeline using FAISS retrieval with Ollama3.2.Developed a React-based analytics dashboard by integrating backend APIs and implementing responsive, data-driven visualizations (React + Vite).Containerized the full development stack using Dockerfiles and Docker Compose with persistent volumes and health checks to support reproducible, CI/CD-ready environments.	
Simple Restaurant Management System <i>Python, HTML/CSS, Flask, Pandas</i>	Jan 2025 – May 2025

LEADERSHIP

Kennesaw State University Robotics Competition Team	Jan 2023 – Dec 2025
<ul style="list-style-type: none">Managed 50+ members, lab logistics, and internal communication using Notion, Slack, Outlook, and Google Calendar; improved member retention and team organization.Mentored 20+ student robotics teams across GA and the Southeast, helping multiple novice teams qualify for the VEX World Championship.	

TECHNICAL SKILLS

Languages/Frameworks: Python, C++, Flask, Django, Pandas, React, Postgres
Developer Tools: Git, VS Code, Google Suite, Microsoft Suite, Vercel, Heroku