

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

ACTIVITIES AND LEADERSHIP

Kennesaw State University Robotics Competition Team Mentor	Aug 2024 – Current
<ul style="list-style-type: none">Managed 50+ members, lab logistics, and internal communication using Discord and Microsoft Suite - Teams, Outlook, Calender - improving member retention and team organization.Mentored 10+ student teams across GA, with multiple teams performing well in the VEX World Championship.Volunteering: Head Referee at multiple VEX robotics events across Georgia and neighboring states. Robotics programs for younger kids, introducing them to robotics and helping them get excited about STEM.	

TECHNICAL SKILLS

Languages/Frameworks: Python, C++, Flask, Django, Pandas, React, Postgres

Developer Tools: Git, VS Code, Google Suite, Microsoft Suite, Vercel, Heroku