

Zaid Khan

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EDUCATION

Kennesaw State University

Bachelor of Science in Computer Science

- **Concentration:** Machine Learning and Artificial Intelligence

Atlanta, GA

Expected Graduation, December 2025

EXPERIENCE

Delta Air Lines

Atlanta, GA

Data Science Co-op

May 2025 – Current

- Enhanced telematics capabilities using AWS tools to implement 10+ features to Ground Support Equipment(GSE) such as equipment utilization, equipment in zone, equipment readiness, seat belt compliance, eGSE dashboards, diversion delay investigation tool, bag transfer compliance, ePOI compliance, and LMS synced to Access Control synchronization, supporting 224 GSEs for SEA operations.
- Conducted reliability analysis on GSE makes and models through the past 12 months in SEA to assist the Asset team with data-driven decisions based off of maintenance date records for equipment retirement and replacement, reducing repair costs and improving in-service rates.

Web Development Freelancing

Lilburn, GA

Web Developer – HTML, Tailwind CSS

August 2024 – Current

- Created an interactive website to showcase my portfolio, projects, and skills. The website was designed to be responsive and user-friendly and provide an engaging experience for visitors.

J's Restaurant

Marietta, GA

Full Stack Developer

Jan 2025 – May 2025

- Used Python, Flask, HTML, and CSS to develop a restaurant management and point of sale system in order for managers and employees to keep track of tables and orders.
- Took advantage of Agile methods to keep track of development and make sure team members worked efficiently.

KSU VEXU Robotics Team

Marietta, GA

OWL Robotics Programming Lead

Aug 2022 – August 2024

- Led a team that built and programmed 8 VEXU robots using C/C++ for both versus and skills challenge competitions and placed in the top 3 worldwide.
- Developed and fine-tuned PID controllers using C++ to ensure precision in movements across varying speeds using feedback loops with motor encoders and third-party sensors.
- Engineered and programmed robots to work with subsystems such as object manipulation, terrain traversal, and scoring mechanisms for autonomous and driver-controlled modes.
- Leveraged git to enable collaboration between 13 team members across multiple devices.

PROJECTS

E-Commerce Website with Database Integration | C#, Bootstrap, HTML, SQL Server August 2024 – December 2024

- Designed and implemented a database-driven shopping site using SQL Server, Entity Framework, and C#.
- Built and normalized a relational database with seven interconnected tables.
- Developed admin and checkout functionality for account management and order review.

Live Traffic Sign Detection | Python, OpenCV, Pytorch

August 2024 – November 2024

- Built a traffic sign recognition system using ResNet 152 CNN trained on GTSRB dataset.
- Used OpenCV to process video input and overlay predictions.

Diabetic Retinopathy Classification using Deep Learning | Python, Pytorch

August 2024 – December 2024

- Developed a fine-tuned ResNet-50 model in PyTorch for retinal image classification, achieving 98% accuracy.
- Used custom dataset loaders and augmentations to optimize model robustness.

ACTIVITIES AND LEADERSHIP

Georgia V5RC

August 2022 – Current

- Mentored 20+ robotics teams in GA and southeast US, helping novice teams reach World Championship finals.
- Led 3 camps and 10+ events for 1000+ students to promote STEM.

KSU VEXU Robotics Team

August 2023 – August 2024

- Led and coordinated 50+ members, managed lab logistics and communication using Notion, Slack, Outlook, and Google Calendar, which led to an increase in teams and member retention .
- Oversaw \$15,000 budget for competitions and outreach.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, C#, SQL, JavaScript, HTML/CSS, R

Frameworks: Pytorch, Flask, Bootstrap.js, AWS Athena, AWS Lambda

Developer Tools: Git, AWS Suite, Google Suite, Microsoft Suite, Teradata, PowerBI, VS Code, Visual Studio, PyCharm, IntelliJ, Vercel, Heroku