Daniyal Khokhar

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EDU]CATION

University of Illinois Chicago   Chicago, IL
Bachelor of Science in Computer Science   *Sep. 2020 – Aug. 2025*

SKILLS

Languages: Python, C++, Java, C, HTML, CSS, JavaScript
Developer Tools & CAD: GitHub**,** VS Code, PyCharm, IntelliJ, Maven, Siemens NX
Libraries: SQLite, Pandas, PyTorch, OpenCV, Seaborn
Frameworks: Django, Bootstrap, GoogleTest, JUnit 5, JavaFX, Arduino, Unity

WORK EXPERIENCE

Software Developer Intern | Python, Django, Bootstrap   May 2025 – *Present*
Insight Labs   Remote
- Contributed to a full-stack UI using Django to showcase AI imaging models for a biotech application
- Built dynamic model pages leveraging Django for users to submit training data for custom AI models

Python & AI Instructor | Python, Artificial Intelligence   May 2025 – *Present*
MARS Academy   Remote
- Instructed course for Python programming and Artificial Intelligence to 6 students in small-group setting
- Designed and delivered a comprehensive curriculum, slides, and activities for academically advanced students

Coding & Robotics Instructor | Python, Robotics   Dec. 2024 – May 2025
MARS Academy   Hanover Park, IL
- Taught programming to 24 students for youth enrichment using Python, Scratch, and microcontrollers
- Provided activities at various difficulties, such as version control, data structures, and memory management

Undergraduate Research Assistant | Python, Deep Learning, Computer Vision   Aug. 2024 – Dec. 2024
University of Illinois Chicago   Chicago, IL
- Developed a learning services companion-robot using YOLO, Python, OpenCV, PyTorch, and APIs
- Led configuration and troubleshooting of SDKs, CNN model conversion, and quantization

PROJECTS

Object Recognition Module | *Python, OpenCV, PyTorch, Computer Vision, Deep Learning*
- Developed a module that allows for real-time object recognition using an open robotics platform
- Utilized light-weight convolutional neural networks in conjunction with machine learning libraries

Digital Aquarium Monitor | *C++, Arduino, IoT*
- Programmed Arduino logic and serial communication to monitor and relay real-time pH and temperature data
- Built embedded system with color sensors and temperature probe to monitor water quality data

AFFILIATIONS/ORGANIZATIONS

CodePath | Peer Mentor   Jun. 2025 – *Present*
- Mentored first-time CodePath students by providing personalized, semester-long support and guidance
- Conducted 1:1 meetings for mentees to navigate study strategies, platform tools, and technical resources

Association for Computing Machinery | Mobile App Developer   Aug. 2024 – Dec. 2024
- Contributed calendar widget for the development of a student task manager mobile app in a team of 8