

MOHAMMED ADIL AMAN

Stillwater, OK 74074, USA

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[LinkedIn](#) [Github](#)

Education

Masters in Computer and Information Science

Oklahoma State University (OSU) - Stillwater, OK, USA

August 2022 – Present

GPA: 3.44

Bachelor of Science in Electrical and Electronics Engineering

Vignan's Foundation for Science, Technology and Research - Guntur, India

July 2018 – May 2022

GPA: 8.5/10

Technical Skills

Programming Languages: Swift, SwiftUI, Kotlin, Objective-C, C, C++, Python, Java, SQL

Interface Builder: Xcode, Android Studio, Visual Studio Code

AI & Data Science: PyTorch, TensorFlow, Keras, OpenCV, Scikit-learn, Pandas, Matplotlib

Web Development: Django, HTML, CSS, JavaScript, React.js, Node.js

Version Control: Git

Databases: MySQL, MongoDB, NoSQL

Technologies: Computer Vision, Object Detection, Deep Learning, Machine Learning, Big Data Analytics

Professional Experience

Programmer analyst

Cognizant Ltd

February 2022 – July 2022

Hyderabad, India

- Created web apps, including a Health Monitoring System and E-Commerce Platform, using modern technologies. Achieved a 30% increase in transactions and a 50% reduction in load times.
- Architected and deployed a robust Employee Management System (Web Application) for maintaining detailed employee databases; slashed administrative workload by 50% and upgraded data accuracy by 35%.

Academic Experience

Graduate Research Assistant

Complex Systems Lab, OSU

August 2023 – May 2024

Stillwater, OK, USA

- Refined soil moisture estimation techniques through advanced crop imagery analysis; improved accuracy by 25% for USDA-funded project and optimized irrigation strategies for enriched crop yield.
- Enhanced soil moisture prediction accuracy by 30% through the adaptation of time-series models and modification of deep learning architectures, leading to optimized irrigation strategies and increased crop yield.
- Engineered a multimodal forecasting model by integrating tabular meteorological data with high-resolution soil imagery; enhanced prediction accuracy by 40%, increasing crop yield forecasts by 25% for agricultural stakeholders.

Graduate Teaching Assistant

Computer Science Department, OSU

August 2023 – May 2024

Stillwater, OK, USA

- Co-ordinated in developing and grading course materials and managed the Canvas platform for efficient distribution and organization.
- Guided one-on-one mentorship during office hours, planned and maintained course websites, and participated in departmental meetings to discuss curriculum development.

Research Assistant

Drone Technology Lab-VFSTR

May 2020 – May 2022

Guntur, India

- Designed and Developed different drones for different applications. Mentored Students to Design and develop Drones.
- Innovative Agriculture drone, Surveillance drone, Medical Delivery drone, Delivery drone.
- Continued research focuses on drone capabilities with deep learning and machine learning. Introduced an AI-based drone for delivering 1kg packages, utilizing AI decision-making, computer vision, and object detection technology.

Learnings

- Started learning iOS development at [CodeWithChris](#). Completed the iOS Foundation and started learning iOS Networking.
- Enrolled in Meta Android Developer Professional Certificate at www.coursera.org. Completed Programming Fundamentals and began Learning Advanced Programming in Kotlin