YOGESH GAJULA

• 144 Bellaire Avenue Apt 303   • Dayton, Ohio, U.S 45420   • gajulay1@udayton.edu   • +1(937) 626-0009

Computer science graduate with a master's degree from the University of Dayton, specializing in data engineering, machine learning, and AI. Seeking opportunities in software development, AI-driven research, and image processing. Interested in contributing to innovative projects and applying advanced computing techniques with the long-term goal of entrepreneurship.

EDUCATION

University of Dayton   Dayton, OH, USA
Master's, Computer Science (3.96 / 4.0)   December 2024

Keshav Memorial Institute of Technology   Hyderabad, Telangana, India
Bachelor's, Electronics and Communications Engineering.   May 2019

CERTIFICATIONS:

• Graduate Certificate in Autonomous Systems from Dept. of Computer Science, University of Dayton   Dec 2024
• Certification for Completing a course on "Python" from Udemy.   Dec 2021
• Certification for Completing a course on "SQL" from Udemy.   July 2021

ACADEMIC PROJECTS

• **Mini Project:** Cloud-Based Facial Recognition Security System.   Feb 2019 - May 2019
   Developed a facial recognition system with 92% accuracy, integrating cloud storage for secure access control.

• **Major Project:** Tracking objects by their color using a PIXY vehicle.   Dec 2018 - Feb 2019
   Implemented an embedded vision system for object tracking, reducing detection lag by 50% using color-based segmentation.

RELATED EXPERIENCE

Amazon Development Center.   Hyderabad, Telangana, India
TRON Machine Learning Data Associate   August 2019 – July 2021

- Assisted in automating warehouse operations across 30+ global locations, improving workflow speed and accuracy in Amazon Robotics & AVOC teams.
- Processed over 70,000 data points monthly, maintaining a machine learning model accuracy exceeding 98%.
- Contributed to the 'Nike' and 'Polybag' projects, which were part of Amazon's broader initiative that reduced per-shipment packaging weight by 36% and eliminated over 1 million tons of packaging, equivalent to more than 2 billion shipping boxes.
- Initiated a Linux key remapping project, resulting in a 10% reduction in task completion time and increased associate productivity.

ADDITIONAL EXPERIENCE

University of Dayton – Computer Science Department   Dayton, Ohio, USA
Teaching Assistant - Grader   Jan 2023 – Dec 2024

- Assisted 210+ students in Advanced Computer Vision, Algorithm Design, and DBMS courses.
- Conducted 30+ lab sessions, enhancing students' understanding of Python, OpenCV, and MATLAB.
- Mentored students in algorithm design, providing guidance on complex concepts like graph algorithms and dynamic programming.
- Provided structured feedback on critical major SQL/NoSQL projects, improving database query optimization.
- Graded 30+ assignments and projects, maintaining 100% on-time feedback delivery.

Defense Research Development Laboratory.   Hyderabad, TS, India.
Student Intern   May 2015 – November 2015

- Implemented 5 network topologies for wired transmission systems, optimizing data flow and signal clarity across research facilities.
- Calibrated 30+ transducers and sensors, improving signal accuracy by 15%.
- Submitted a detailed 50-page project report on "Study of Instrumentation Facilities" and received official certification.

ACTIVITIES

College Photography Club, **Event Photographer.**   March 2016 – May 2019
Elyuxen Mission #500, **Organizing member.**   March 2018 – April 2018

SKILLS

Programming Languages: Python, MATLAB, SQL, Java, C++, Scala
Databases: PostgreSQL, MySQL, MongoDB
Machine Learning & AI: TensorFlow, PyTorch
Cloud & Data: AWS, Microsoft Azure, Data Warehousing
Tools & Development: Git, Visual Studio
Data Visualization: Matplotlib, Seaborn, Tableau, Power BI

COMMUNICATION LANGUAGES

English, Hindi, Telugu