Amit Kumar

+91-8258882443 | amit25111998@gmail.com https://www.linkedin.com/in/amit-kumar-79a9b2137/

Education

Indian Institute of Technology Hyderabad (IIT Hyderabad) 2021 – 2023
M.Tech – Computer Science and Engineering *Hyderabad, India*

National Institute of Technology Arunachal Pradesh 2016 – 2020
B.Tech –Computer Science and Engineering *Jote, India*

Experience

Software Developement Sep 2023. – Present
Mercedes Benz Research and Development India. *Bangalore, India*

- Managed variant coding to ensure seamless integration and functionality.
- Conducted defect management, identifying and resolving issues efficiently.
- Performed vehicle testing and submitted SBM with supporting documents, maintaining thorough documentation and compliance.
- Developed Python scripts to enhance project efficiency and participated in Autonomy2024, contributing to innovative solutions.
- Tools/Technologies: Python, Codeman/Encore, FINAS, DIAGNOSTIC PORTAL, ODX Studio, Candella Studio, SBM

Associate Software Engineer Jul 2023 – Sep 2023
Qulabs India Private Limited *Hyderabad, India*

- Developed dynamic front-end pages with tables featuring pagination and search functionality for efficient data filtering.
- Created a mini-project to collect and display student data, improving skills in input handling and UI development.
- Collaborated with cross-functional teams to implement responsive, user-friendly designs and optimize data presentation.

Projects

Automatic Vein Cannulation System for Geriatric and Pediatric patients | *Deep Learning*June. 2022 –June. 2023

- Worked on images and extracted veins by removing the noise using custom auto-encoders.
- Worked on Stereo depth estimation, noise reduction, image registration, point matching, depth mapping, 3d re-construction in the project.
- Read various research papers for implementing the system.

Monocular 3D Object Detection in autonomous vehicles | *Python, Deep Learning* Jan. 2022 –June. 2022

- Monocular 3D Object Detection is the task to draw a 3D bounding box around objects in a single 2D RGB image. It is a localization task but without any extra information like depth or other sensors or multiple images.

Facial Emotions Recognition | *python, Deep Learning* May 2019 – Jul 2019

- Technology that Analyses Facial Expressions from both Static images and videos in order to Reveal information on one's Emotional state.

Technical Skills

Languages: Python, C++, java
Tools/Technologies: Pandas, TensorFlow, Linux, Data Structure and Algorithm, Machine Learning, Deep Learning