



Vikas Kumar

Roll No.:254156018
M.Tech - Robotics And Artificial Intelligence
Minor in Computer Science and Engineering
Indian Institute Of Technology, Guwahati

+91-9628286911
kvikas1482@gmail.com
vikask6018@iit.ac.in
Github
linkedin.com/in/VikasKumar142001

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
M.Tech. Major	Indian Institute of Technology, Guwahati	0.00 (Current)	2025-Present
B.Tech. Minor	KIET Group Of Institutions	7.87	2021-2025
Senior Secondary	CBSE Board	70.2%	2020
Secondary	CBSE Board	66.66%	2018

EXPERIENCE

- Accenture** Feb 2025 - June. 2025
SAP ABAP & Agentic AI Intern Pune
 - Developed interactive SAP ABAP reports to enhance data visibility and user experience, and worked on the Integration Suite in SAP.
 - Implemented an Agentic AI system to automate Postman API report generation, reducing manual workload by 70% and accelerating report delivery by 40%, leading to improved operational efficiency.
- Code Clause** March. 2023 - April. 2023
Data Science Intern Virtual Internship, India
 - Constructed a market basket analysis model during the internship with a rule strength of 52.47%.
 - Leveraged PostgreSQL for managing and querying data sets used in market basket analysis and NLP tasks.

PROJECTS

- Deep TrafficFlow** September. 2024 - February 2025
KIET Group Of Institution Github
 - Achieved 96% accuracy in real-time aerial vehicle detection and tracking using Faster R-CNN yolo v8 with Kalman Filter.
 - Designed a machine learning pipeline where Random Forest outperformed other models, delivering 99% accuracy in predicting traffic congestion. Research Paper Published in Journal Of Optics(SCI)
- Satellite Image Segmentation** June. 2024 - August 2024
ISRO Bharatiya Antariksh Github
 - Developed a Satellite Image Segmentation model using U-Net, achieving an Intersection over Union (IoU) score of 86%.
 - Automated the segmentation process using U-Net, increasing consistency and drastically reducing processing time for satellite image analysis.

TECHNICAL SKILLS

- Programming:** Python, C/C++, PostgreSQL, MySQL, HTML, SAP ABAP
- Framework:** OpenCV, TensorFlow, Scikit-Learn, Tableau, PowerBI, Postman, Unity3D

PUBLICATIONS

- A real-time video sliced frame image-based intelligent traffic congestion monitoring system using Faster R-CNN:**
Published in **Journal of Optics (Springer, SCI)**, March 2025
DOI: 10.1007/s12596-025-02606-w
- A Novel Approach for Early Detection of SCDs through Feature Fusion of Antibiotics Composition and Symptoms Data using Quantum ML:** Published in **IEEE GlobConET 2023 (IAS Global Conference on Emerging Technologies)**, June 2023
Link to Paper (IEEE Xplore)

ACHIEVEMENTS AND RESPONSIBILITY

- Reviewer, IEEE Access** Reviewed 5+ research papers in AI domains as part of the IEEE Access reviewer. 2024
- Winner** Secured First Place in HackMait 4.0 Hackathon, MAIT College, Delhi. 2023
- Research Lead** School of AI/ML, KIET Group of Institutions 2023 - 2024
- Winner** Secured First Place in Hack This November Hackathon, ABES Engineering College. 2022
- Coordinator** NSCC (Newton School Coding Club), KIET Group of Institutions 2022 - 2024