

DURVANK GADE

9404763853 | durvankgade@gmail.com | linkedin.com/in/durvank-gade | github.com/DurvankGade | India

EDUCATION

Vellore Institute of Technology, Chennai

Aug 2023 – 2027

BTech in Computer Science with Specialization in AI and ML, CGPA- 8.85/10

Object-Oriented Programming, Data Structures, Artificial Intelligence, Database Management System, Computer Architecture, Computer Networks, Theory of Computation.

TECHNICAL SKILLS

Programming Languages: Python, R, C/C++, Java, SQL, JavaScript, CSS/HTML

Frameworks & Tools: PyTorch, TensorFlow, Keras, Sklearn, Hadoop, React, React-native, Matplotlib, Streamlit, Seaborn, Pandas, Numpy

Database & ORM: SQL, PostgreSQL, NoSQL, MongoDB

Other: Git, PowerBI, Tableau, Flask

WORK EXPERIENCE

Data Science Lead | IEEE Robotics and Automation Society Student Chapter, VIT Chennai

Feb 2024 - Present

- Speaker and Student Coordinator for DataDash 2.0, the flagship Data Science event of IEEE RAS.
- Currently working on various data science projects, including AI-driven recommendation systems, Facial Expression Recognition, Document Summarizers, Image and Sound Classification, and Heart Disease prediction.
- Organized two National-level hackathons for College Students.

Interdisciplinary Technical Content Intern | FlyBrand Digital Solutions, Chennai

Jun 2025 – Jul 2025

- Crafted AI content for Mechanical Engineering with clear insights on tools and cross-domain applications.
- Explored AI applications across core engineering domains and created accessible outreach content for students.
- Contributed to presentation decks and structured content for awareness initiatives.

PROJECTS

Omnipresence – An ecosystem dedicated to women's safety and empowerment: 1st Prize at IIT Bombay Hackathon

- **Led ML Development:** Engineered audio analysis and SOS trigger models for rapid emergency alerts, collaborating cross-functionally to deliver a robust safety backend.
- **Emergency AI Modules:** Designed scream-detection SOS triggers and safe route navigation to deliver immediate alerts and risk-minimized travel paths.
- **Threat Surveillance System:** Built real-time CCTV analysis for suspicious activity monitoring, enhancing proactive security coverage.

Satellite-to-Map Translation with Pix2Pix GAN:

- Developed a deep learning pipeline using a conditional GAN (Pix2Pix) to translate satellite images into corresponding map views.
- Optimized the solution for GPU acceleration, enabling fast inference and scalable deployment.
- Built a flexible framework adaptable to other image-to-image translation tasks (e.g., aerial-to-map, sketch-to-photo) through retraining on new datasets.

LiveScope – A one-stop solution for modern learning problems: 1st Prize at Scribble Pad Hackathon

- **AI-Driven Classroom Toolkit:** Developed attention detection and object recognition modules for real-time engagement tracking and immersive learning using computer vision.
- **EdTech Utilities:** Created PDF-based quiz generator and serverless file-sharing tools to simplify assessments and promote seamless collaboration.

ACHIEVEMENTS

- **Winner** of Sanrakshan Hackathon at **IIT Bombay TechFest '24**
- **First Prize Winner** at Scribble Pad Hackathon
- RASCADE hackathon **finalist**

CERTIFICATIONS

- Business Analytics & Text Mining Modeling using Python **NPTEL** - 2024
- Supervised Machine Learning: Regression **IBM** - 2024
- Exploratory Data Analysis for Machine Learning **IBM** - 2024
- Introduction to Data Science **Cisco Networking Academy** - 2024