

# Mridul Kaushik

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GitHub: [github.com/MridulKaushik3](https://github.com/MridulKaushik3) | LeetCode: [kaushikmridul3](https://leetcode.com/kaushikmridul3)

## EDUCATION

### Noida Institute of Engineering & Technology

Bachelor of Technology in Computer Science & Engineering (AIML)

Greater Noida, India

Oct 2022 – June 2026

**Relevant Coursework:** Data Structures & Algorithms, OOP, Operating Systems, DBMS, Computer Networks, System Design, Web Development, AI/ML

## TECHNICAL SKILLS

**Languages:** Python, C++, JavaScript, SQL

**Frameworks & Technologies:** Django, REST API, TensorFlow, ML Kit, Redis, Docker, Git

**Databases:** PostgreSQL, MySQL, MongoDB

**Tools & Platforms:** GitHub, Postman, Linux, VS Code, AWS, CI/CD (GitHub Actions), PyTest

## EXPERIENCE

### Web Development Intern – Creative Studio 24

Dec 2024 – Feb 2025

- Engineered responsive client-facing modules with Tailwind CSS, improving user engagement by 15%
- Built and optimized Django REST APIs, reducing response latency by 20% through query optimization
- Automated repetitive workflows using AI tools for hiring and marketing teams, saving 10+ hours weekly
- Deployed production-ready features with secure authentication and error handling

### AIML Intern – EduSkills Foundation (AICTE x Google)

Jul 2024 – Sep 2024

- Developed image classification models using TensorFlow achieving 95% accuracy on 2,500-image validation set
- Built and deployed real-time object detection pipelines in mobile applications with optimized ML models
- Implemented cloud-based model training workflows and end-to-end integration for production deployment

## PROJECTS

### SocialSphere – Social Media Application | Django, PostgreSQL, Redis, REST API

- Architected full-stack social media platform with authentication, posting, and engagement features using Django MVT
- Designed normalized relational schema and optimized ORM queries, improving response performance by 30%
- Implemented Redis caching to reduce database load and enhance scalability for concurrent users
- Integrated cloud storage for secure media handling and personalized user profile management

### ATS Resume Score Checker – AI-Powered Resume Analyzer | Django, Gemini API, Docker

- Built backend system leveraging Gemini API to evaluate ATS keyword matching with 85%+ accuracy
- Validated API endpoints using Postman reducing integration issues by 40%
- Containerized application using Docker for consistent deployment

### TrafficFlow AI – Adaptive Traffic Signal System | Python, OpenCV, SQL, Multithreading

- Implemented video-based vehicle density detection using OpenCV for dynamic traffic signal optimization
- Achieved 90%+ emergency vehicle detection accuracy with real-time processing capabilities
- Improved frame processing throughput by 25% using multithreading

## ACHIEVEMENTS & LEADERSHIP

- 2nd Place** – HackBVP 2.0 Hackathon among 150+ teams, developing innovative technical solution

- 2nd Place** – Pravartan Code Bounty competition with 100+ participants

- LeetCode:** Solved 300+ DSA problems demonstrating strong problem-solving and algorithmic skills