

KSHITIZ SRIVASTAV

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🌐 [Linkedin](#)

🐙 [Github](#)

🏠 [Leetcode](#)

🌐 [Codolio](#)

📁 [Portfolio](#)

EDUCATION

ABES Engineering College, Ghaziabad

2022 – 2026

B.Tech - Computer Science and Engineering - **CGPA - 8.63**

Ghaziabad, Uttar Pradesh

COURSEWORK / SKILLS

- Data Structures & Algorithms
- Operating Systems
- Computer Networks
- Database Management System (DBMS)
- OOPS Concept
- Web Development
- Machine Learning
- Data Science

PROJECTS

MPIN Strength Analyzer [↗](#) | Python, Flask, HTML, JavaScript

- Designed a **mobile-first web application** to analyze 4- and 6-digit MPINs with real-time strength scoring and **demographic pattern vulnerability detection** (e.g., birth dates, repeated sequences).
- Implemented interactive PIN testing suite with customizable analysis categories using Flask RESTful APIs and responsive UI with **Bootstrap 5.3, JavaScript**.
- Integrated **advanced security algorithms** for real-time threat analysis and ensured full cross-device compatibility with dark/light mode toggle.

AutoVision [↗](#) | Gen AI, Python

- Designed and implemented **AutoVision**, an assistive technology for visually impaired individuals, providing real-time image analysis and verbal descriptions of surroundings.

Breath-Easy [↗](#) | ReactJS, CSS, JavaScript, APIs

- Developed a web application to address air pollution by tracking real-time AQI data and recommending suitable tree species for improving local air quality.
- Enabled users to input their location, view current AQI levels, set target AQI goals, and receive tailored tree species suggestions.

EXPERIENCE

- **BuildWithDelhiHackathon** [↗](#) (12-hour event, Greater Noida)

Developed a real-time Air Quality Index (AQI) monitoring system that recommends location-specific tree species to improve air quality. Participated in a team of 5 under the Hive-sponsored environmental tech track, competing alongside 50+ teams from a competitive pool of 400 teams for 1.5L+ in prize funding.

TECHNICAL SKILLS

Languages: : Python, C, C++, JavaScript, SQL, XML, HTML, CSS

Developer Tools: VS Code, Jupyter Notebook, Eclipse, Cisco Packet Tracer, Canva

Technologies/Frameworks: : GitHub, ReactJS, Keras, MongoDB, SciKit, Pandas, Matplotlib, OpenCV

Achievements

- **GATE DA 2025 Qualified** – Secured AIR 5042 2025
- **LeetCode Rating:** 1614 (Max) 2025
- **Solved 500+ problems across LeetCode, CodeChef, and other platforms** 2024
- **HackerRank:** 4 Star in Problem Solving 2024
- **HackerRank:** 5 Star in Python and C Programming 2023

CERTIFICATIONS

- **Programming in C** [↗](#)
- **HTML5** [↗](#)
- **CSS3** [↗](#)
- **JavaScript** [↗](#)
- **Problem Solving – HackerRank** [↗](#)