

Vedant Saxena

Email-id : 6987vedsaxena@gmail.com

Mobile No.: 6306145403 , 8709730778

Github: <https://github.com/vedsaxena6987>

Linkedin: <https://www.linkedin.com/in/vedant-saxena-60012a238/>

ACADEMIC DETAILS

| Examination | University | Institute | Year | CGPA/% |
|--|---|---------------|----------|--------|
| Graduate Specialization: Graduation | Computer Science and Engineering Graphic Era Hill University | GEHU Dehradun | Pursuing | 8.21 |
| Diploma Specialization: Diploma | Computer Science and Engineering Graphic Era Hill University | GEHU Dehradun | 2023 | 8.78 |
| High School | LPS, Lucknow | LPS, Lucknow | 2020 | 83.5 |

FIELDS OF INTEREST

- Artificial Intelligence, Machine Learning, Neural Networks, Image Processing, IoT, Generative AI, Data Analysis, Problem Solving

TECHNICAL SKILLS

- Languages:** C++, Python, Java, JavaScript, TypeScript
- Databases:** MySQL
- Frameworks & Tools:** Node.js, React, Next.js, Flask, Tailwind CSS
- Concepts:** Data Structures & Algorithms, Software Design, AI/ML, Web Development, Security Analysis
- Environment:** Proficient in Unix/Linux systems

PROJECTS

- AI-Powered Voice-Assisted Elevator Call System**
 - Invented and prototyped a voice-controlled elevator system integrating Alexa, Google Assistant, and Siri.
 - Designed a retrofit BLE module and hybrid cloud-edge architecture for touchless, accessible elevator control.
- NoirBoard** (Mar 2025 – Apr 2025)
 - Designed and developed a minimalist productivity platform with to-do lists, expense tracking, goal setting, and notes as both a Chrome extension and web app.
 - Built with React, JavaScript, and Tailwind CSS; implemented auto-save, session sync, and privacy-first architecture.
- Smart Traffic Light System** (Feb 2025 – Mar 2025)
 - Created a real-time traffic simulation system prioritizing emergency vehicles using Dijkstra's algorithm.
 - Implemented in Next.js and C++ with interactive traffic flow visualization and control panel for signals.
- Breast Cancer Prediction** (Oct 2024 – Dec 2024)
 - Developed a Flask web app to classify tumors as malignant or benign with 97.7% accuracy.
 - Conducted EDA, preprocessing, feature selection, and integrated visualizations (heatmaps, feature importance).

- **FileZap** (Mar 2025 – Apr 2025)

- Engineered a cross-platform CLI for seamless file sharing across local networks using Node.js and WebSockets.
- Enabled real-time transfers via QR codes, browser interface, and CLI across Windows, macOS, and Linux.

EXPERIENCE

- **Engineering Intern - DataCulture Technologies** (Oct 2024 – Feb 2025)

- Contributed to Generative AI workflows, full-stack web applications, and automated ad bot systems.
- Enhanced system performance by integrating modern frameworks and scalable architectures.
- Collaborated in cross-functional teams to design and deploy AI-driven solutions in production environments.

PUBLICATIONS

- "10 patent applications filed (2 currently under grant examination)."
- "4 accepted Conference Paper ."
- "2 accepted Book Chapter."

INTERESTS AND HOBBIES

- Solving Puzzles
- Playing Chess
- Trekking