

LOKESH SINGH

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EDUCATION

● Graphic Era Hill University

Bachelor's of Technology (CSE)

Expected June 2026

CGPA 8.72

● Aryaman Vikram Birla Inst. of Learning, Haldwani

April 2021 - June 2022

Intermediate - CBSE

Percentage 86.4%

SKILLS

Programming Languages: C, C++, Python, Java, JavaScript.

Frameworks: HTML, CSS, Tailwind, SCSS, React.js, Node.js, Express.js, Django, MongoDB, MySQL, PostgreSQL, Jupyter Notebook.

Coursework: Machine Learning, Data Science, DSA, Operating System, DBMS, Data Science.

EXPERIENCE

Software Developer Intern (Graphic Era Hill University)

February - Ongoing

- Developed a multi-role administrative system with React and Django, implementing secure authentication and role-based access control for superadmins, organizational admins, and department admins.
- Designed and integrated scalable APIs to streamline dashboard functionalities, enhancing efficiency in multi-tiered organizational management.

PROJECTS

Saraswati : (Quiz Conducting Platform) [Link](#) (February 2025 - Ongoing)

Tech Stack: React.js, Tailwind, Python, Django, PostgreSQL, MongoDB

- Developed an online assessment platform to help organizations like schools and colleges create, manage, and organize quizzes and MCQ-based tests efficiently.
- Implemented features for question categorization, automated grading, and real-time performance analysis to enhance assessment accuracy and ease of use.
- Designed RESTful APIs using Django REST Framework for efficient frontend integration.

Chatify :- [Link](#) (July - August 2024)

Tech Stack: React.js, Tailwind, Chakra UI, Node.js, Express.js, MongoDB, Socket.IO.

- Designed and developed a scalable real-time chat application, incorporating user authentication, real-time messaging, to improve user engagement by 70% and communication speed by 90%.
- Implemented responsive design and application performance optimization to ensure a seamless user experience, and integrated secure user authentication with JSON Web Tokens (JWT), leading to a 30% improvement in data security.

Real-Time Face Tracking with Arduino and OpenCV: :- (April - May 2024)

Tech Stack: OpenCV, CVzone, PyFirmata, NumPy, Python, Webcam, Arduino Uno, Servo motors.

- Crafted a cutting-edge head-tracking turret mechanism using OpenCV-driven image analysis, resulting in exceptional precision with a 90% success rate for detecting user movements while ensuring swift response times to input actions.

ACHIEVEMENTS

- **Amazon Machine Learning Summer School 2024 :-** Selected for Amazon's prestigious program, chosen over 200 colleges nationwide, gaining exclusive insights into machine learning through live sessions under leading ML experts.
- **Microsoft SEFA 2024 Program :-** Selected for Microsoft SEFA 2024 among 10000+ applicants, a program offering mentorship, training, and real-world project experience to prepare for full-time roles at Microsoft.
- **Coding :-** Solved over 400 data structures and algorithms problems on LeetCode, attaining a competitive rating of 1707 which ranks in the top 11% among thousands of participants globally. [Link](#).
- **Competitive :-** Achieved **Rank 3** in a Hackathon organized by WeCode Club among 300+ participants.

POSITIONS OF RESPONSIBILITY

- **Student Volunteer (National Service Scheme):** Co-ordinated diverse NSS activities and organized workshops that positively impacted local outreach through innovative programs reaching over 40 students weekly.
- **Student Mentor (We-Code):** Mentored students in competitive programming and software development as a part of We-code, the college coding club.