

SAHIL SINGH RAWAT

Rishikesh, Uttarakhand

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🌐 [SAHIL SINGH](#)

🐙 github.com/SAHILSINGHRAWAT

EDUCATION

Graphic Era Hill University

2021 – 2025

Bachelor of Technology in Computer Science Engineering

Dehradun, Uttarakhand

- CGPA: 8.34/10.00

DSB International Public School

2020 – 2021

Higher Secondary Education

Rishikesh, Uttarakhand

- City Rank: 8th
- Percentage: 95.2%

DSB International Public School

2018 – 2019

Secondary Education

Rishikesh, Uttarakhand

- City Rank: 8th
- Percentage: 96.1%

Projects

Study Notion: Full-Stack EdTech Application | *MongoDB, Express.js, React.js, Node.js*

🐙Code

- Created a full-stack edtech platform using the MERN stack, integrating authentication, role-based access control, and user-specific dashboards (admin, instructor, student) to enhance learning experiences and streamline management for over 1,000 users.
- Systematized video lectures into structured courses, facilitating an intuitive learning environment and efficient navigation for students, supporting multiple users and courses with minimal latency.

Aditi: Hospital Management System | *MongoDB, Express.js, React.js, Node.js*

🐙Code

- Engineered a comprehensive UI/UX for Aditi Hospital, encompassing appointment booking, doctor availability, and user/admin dashboards, improving patient and administrative workflows by 30%.
- Streamlined appointment management by implementing features such as scheduling, cancellation, and status tracking, enhancing the booking process for over 500 patients monthly.

AI Guardian | *NextJS, Mern Stack, Python, NLP*

🐙Code

- Constructed a robust communication infrastructure using Redis Pub/Sub and message queues for real-time threat analysis and response, ensuring efficient asynchronous messaging for high-throughput data streams. Developed a custom Proxy Server for ethical AI adoption, monitoring user interactions with ChatGPT to prevent misuse, achieving 84% accuracy in real-time risk identification..
- Implementation of DNS filtering and an ML model for prompt-response analysis, restricting direct access to ChatGPT, enforcing organizational policies, and identifying potential risks. Projected 500,000 annual revenue and 200,000 cost savings from the AI Guardian implementation

Fake News Classifier: via LSTM | *Python, NLP*

🐙Code

- Executed a fake news classifier using LSTM neural networks in TensorFlow for improved classification accuracy.
- Leveraged pre-trained word embeddings and NLP techniques for text preprocessing and evaluation metrics such as accuracy and F1-score, enhancing classification accuracy and achieving an F1-score of 0.85.

Technical Skills

Languages: C++, Javascript, C, Java, SQL, Python, HTML

Technologies/Frameworks: React JS, Next JS, Tailwind CSS, MongoDB, Express JS, Node JS, GitHub, Machine Learning, LLM, NLP

Soft Skills

Effective Intelligence, Reasoning Ability, Power of Expression, Fluent Oratory, Organizing Ability, Sense of Responsibility, Cooperation.

Leadership & Extracurricular

- **SSB Interview:** Recommended for Indian Navy after clearing NDA written exams 3 times and SSB from 33-SSB, Bhopal.
- **Team Leader at SUSTAIN-A-THON:** Hackathon by Indian Oil Corporation, ranking among the top 10 teams across the country.
- **INNOHACKS:** Captained a team of four at INNOHACKS Hackathon by KIET Institute, securing a spot in the top 40 out of over 200 participating teams through innovative tech and seamless collaboration.
- **Guided Team at Knack to Hack:** Hackathon by MG Global, reaching the finals and ranking among the top 50 teams out of 2400.
- **National & Regional Level Science Exhibition Winner:** Conducted by CBSE, showcasing leadership and innovation in scientific projects.