

# SACHIN SINGH

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BACHELOR OF TECHNOLOGY

GRAPHIC ERA HILL UNIVERSITY, DEHRADUN

## Education

**Graphic Era Hill University Dehradun, India**

**2021 - 2025**

- Bachelor of Technology in Computer Science and Engineering, **CGPA: 7.40**

**Beersheb Senior Secondary School Haldwai , Uttarakhand**

**2020 - 2021**

- CBSE (Class XII), Aggregate: 82.6

## Projects

### IOT SMART FARMING

TECH STACK: Python, MYSQL, Machine Learning , HTML, CSS ,JavaScript,React.js, Rest APIs.

- Developed a smart farming web application leveraging IoT and ML to optimize crop and fertilizer recommendation Based on real-time data.
- Integrated weather APIs and sensor-based inputs to automate irrigation decisions and enhance Agricultural productivity.
- Delivered a scalable solution aimed at empowering farmers with data-driven insights and modernized farming techniques.

### Full Stack Mern AI Image Generation

TECH STACK: React.js, Express.js,TailwindCSS,HTML,MongoDb,,OpenAI API .

- AI Powered image generation from text prompts using the OpenAPI
- User friendly interface to generate,view and share AI-generated images with secure Backend images.

### Real Time Chat Application

TECH STACK: React, Node.js,Tailwind CSS, MongoDB,Socket.io.

- Real time messaging with Socket.io
- User authentication with JWT
- Persistent chat history with MongoDB

## Skills

- **Languages:** C/C++ | JAVA | PYTHON | JAVASCRIPT
- **Technology:** React.js | Node.js| MongoDB|Javascript | Tailwind | Html
- **Others:** Git | Github

## Coursework

- Data Structures and Algorithms
- Database Management System
- Operating System
- Object Oriented Programming

## Achievements | Positions of Responsibility

- Solved 300+ Questions on LeetCode and Other coding websites.
- Represented school at the district level in Cricket , demonstrating strong teamwork , physical endurance and leadership skills.
- Organized IEEE seminars on Cryptocurrency and Cybersecurity, gaining insights into emerging technologies' impact on finance and data security as a core team member.
- Led teams in organizing and executing cleanliness drives as an NSS Volunteer, promoting environmental awareness and sustainable practices.