

# DEVANSH RAWAT

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## Education

**Graphic Era Hill University, Dehradun**  
*B.Tech in Computer Science & Engineering*

**2023 – 2027**  
7.7/10 CGPA

## Projects

### SkillSync: Smart Team & Project Buddy Finder

- Developed a full-stack web app to connect students for projects and hackathons based on skills and interests.
- Implemented team dashboard, mentor directory, and secure authentication using PostgreSQL backend.
- Tech stack:** TypeScript, Tailwind CSS, Vite, PostgreSQL

### Custom Task Manager with Security & ML-based Monitoring

- Built a custom task manager that monitors and categorises running processes into system, user, background, and suspicious.
- Integrated **ML-based security module** for unauthorized process detection: trained models analyze process behavior and determine whether a process is potentially malicious.
- Implemented advanced monitoring: process lifetimes, crash handling, battery impact, and per-process network activity.
- Automated control: kill/restart malicious or high-impact processes with logs and reports.
- Tech stack:** Python, psutil, hashlib, scikit-learn, TensorFlow/PyTorch, tkinter/PyQt, sqlite3.

### SecurePass – Your Smart Password Companion

- Created a sleek password analyzer with **React.js, TailwindCSS, Shadcn/UI**.
- Real-time password strength detection, entropy & crack-time estimation.
- Uniqueness indicator, AI-powered suggestions, and copy-to-clipboard support.
- Modern responsive UI with dark mode support.

## Technical Skills

**Languages:** Java, C++, C, JavaScript, TypeScript

**Backend:** Node.js, Express.js

**Frontend:** HTML, CSS, Bootstrap, React.js, TailwindCSS

**Clouds & Databases:** MongoDB, SQL

**Developer Tools:** VS Code, GitHub

## Honours and Awards

### SEFA (Software Engineering For All) Program

**June 2025**

*Microsoft India*

- Selected for Microsoft's SEFA program exclusively for top B.Tech CSE students across India.
- Attended expert-led sessions on Design Thinking, UI/UX, Azure & DevOps, Product Lifecycle, and Copilot AI.
- Collaborated on real-world case studies exploring cloud-native solutions and customer-first engineering.

## Algorithmic Competitions/Achievements

- Solved **300+ DSA problems** from Rapid Growth Problemset, improving problem-solving skills.
- Secured **All India Rank 3** in Unstop Weekly Coding Challenge, outperforming thousands nationwide.