

Rahul Verma

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Education

Bachelor of Technology in Computer Science & Engineering 2021–2025
Visvesvaraya Technological University, Bengaluru
CGPA: 8.4/10

Experience

Software Development Intern May 2024 – July 2024
TechNova Solutions Pvt. Ltd., Bengaluru

- Developed backend APIs using **Python (Flask)**, improving response time by 22%.
- Implemented CRUD operations with **MySQL** and optimized database queries.
- Debugged production issues and contributed to stable feature releases.
- Collaborated using **Git/GitHub**, managing branches and pull requests.

Projects

TaskFlow – Full-Stack Productivity Tracker

React, Node.js, Express, MongoDB, Git

- Developed a scalable task management web application with JWT authentication.
- Designed REST APIs and optimized MongoDB queries for efficiency.
- Integrated CI/CD pipeline using GitHub Actions and deployed on Render.

CodeVault – Online Code Editor (C++/Python/Java)

Python (FastAPI), Docker, JavaScript

- Built a browser-based IDE with real-time code execution using isolated Docker containers.
- Implemented syntax highlighting, error handling, and secure execution sandbox.

AlgoMaster – DSA Visualizer

JavaScript, HTML, CSS

- Created visualization tools for sorting algorithms like Merge, Quick, and Heap Sort.

Technical Skills

Languages: Java, Python, C++, JavaScript

Fundamentals: Data Structures & Algorithms, OOP, DBMS

Databases: MySQL, MongoDB

Tools: Git, GitHub, VS Code, Postman

Frameworks: Flask, Node.js, React

Achievements

- Solved 300+ DSA problems on LeetCode and GeeksforGeeks.
- Finalist at “HackRush 2024” national-level hackathon.
- Received “Best Intern Award” at TechNova Solutions.

Profile Summary

Motivated Software Engineer skilled in developing and maintaining software applications. Strong knowledge of **Java**, **Python**, **C++**, DSA, and OOP. Experienced in backend API development, database management, debugging, and collaborative teamwork using Git. Passionate about building scalable and reliable applications.

Extra Activities

- Coding Club Member – conducted workshops on Git & DSA.
- Active open-source contributor.
- Regular competitive programmer (CodeChef 3).