

# SHUBHAM DUBEY

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## SUMMARY

Computer Science undergraduate with strong foundations in object-oriented programming, software testing, and backend development. Skilled in writing scalable, testable code and designing unit/integration test suites in Python, JavaScript / TypeScript, and C++. Experienced with Dockerized environments, CI/CD pipelines, and cloud deployment. Built multiple full-stack projects and actively exploring contributions to complex open-source repositories.

## SKILLS

**Languages:** Python, JavaScript, TypeScript, C++, Dart, PHP, SQL  
**Testing:** Unit Testing (PyTest, Jest, JUnit), Automated QA Strategies, Selenium  
**Frameworks/Tools:** Node.js, React, Next.js, MongoDB, Flutter, Firebase, FASTAPI, Flask, PyQt, Tailwind CSS  
**DevOps/Cloud:** Docker, GitHub Actions (CI/CD), AWS, GCP, DigitalOcean  
**Technologies:** Chrome APIs, Win32 APIs, Web Scraping, Software Engineering Practices  
**Others:** REST APIs, Chrome APIs, Web Scraping, Agile Development

## WORK EXPERIENCE

**KARTAVYA TECHNOLOGY | Flutter, NodeJs, MongoDB** Remote  
Role: Software Development Engineering (SDE) Intern January 2025 – Present

- Led development of a scalable Payroll Management module using component-based architecture, fault-tolerant API endpoints enabling 10K+ employee onboardings post-launch.
- Built a full-stack mobile app with Flutter (BLoC pattern) and Node.js + MongoDB backend.
- Implemented unit test coverage for payroll APIs, improving reliability and scalability. 50+ Tests written so far.

**INDIAN INSTITUTE OF INFORMATION TECHNOLOGY (IIIT), RAICHUR** Karnataka, India  
Role I: Science & Technology Secretary Oct 2024 – Present

- Organizing hackathons, coding events, and workshops with clubs to foster technical growth.

Role II: Website Team of IIIT Raichur as “Full Stack Developer” Nov 2024 – Present

- Contributed to the college's official website improving usability, performance, and maintainability.

**RIDOBIKO SOLUTIONS PRIVATE LIMITED - [Experience Letter](#)** Remote  
Role: Software Development Engineering (SDE) Intern July 2024 – Oct 2024

- **Engineered** real-time REST APIs using **Python (FastAPI)** for automated document verification, implementing session-controlled scraping to fetch data from government portals.
- **Developed** a launch-ready **Flutter** mobile app using **Provider** state management, integrating custom APIs.
- **Managing** the full CI/CD lifecycle via GitHub Actions on Digitalocean..

## EDUCATION

**Indian Institute of Information Technology (IIIT), Raichur** Karnataka, India  
B.Tech in Computer Science and Engineering Aug 2023 – May 2027

Cumulative GPA: 8.14/10

**CS Fundamentals:** Data Structures & Algorithms, OOP, DBMS, Operating Systems, Computer Networks, Software Engineering

## PROJECTS

**Codescrybe:** Chat with Github Legacy Codebases - [Github Link](#) - [View Link](#) January 2025

- Developed a Full Stack Web Application with React, Python, FASTAPI, MongoDB and Neo4J.
- Built RAG Pipeline for efficient storage of Github Codebase data as chunks in Graph Database.

**Flow Dash:** A Project and Task Management Application for Teams - [Github Link](#) - [View Link](#) January 2025

- Developed a Full Stack Web Application with Next, React, MongoDB and Firebase used by 100+ users.
- Added **Jest-based** unit tests for backend APIs, ensuring task reliability.

**Car Connect:** Services & Product E-Commerce Platform (Merchant & Consumer) - [Github Link](#) - [Apk Link](#) March 2024

- Developed a mobile application platform using Flutter for both consumers and merchants.
- Implemented RESTful APIs with **Jest** test coverage for product & service modules.

**GPA Genie:** Chrome Extension for Automated GPA Calculation - [Github Link](#) - [Chrome Web Store Link](#) Jan 2024

- Developed a Chrome extension for my college (IIIT Raichur) website to automate GPA calculation.
- 200+ installs for this extension till now.

## AWARDS & ACHIEVEMENTS

- Runner up in Covasant AI Hackathon 2025 (Team Repolens) - [Official Post](#)
- Honorable Mention Award Winner for *Code Cubicle 2.0 2024 Hackathon (Team Lead)* - [Certificate Link](#)
- Winner for *GPA Genie Challenge* for making GPA Calculator chrome extension
- Showcased our college in the National Wellbeing Conclave (NWC) held at IIT Hyderabad representing our college.