

KARTIK DUBEY

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Summary

Final-year B.Tech Computer Engineering student (2026) with hands-on experience in backend development, REST API integration, dashboards, and real-world institutional systems. Strong interest in automation testing, API testing, and customer-facing roles within SaaS environments. Experienced in debugging, troubleshooting, and working in Agile teams with CI/CD exposure. Proven communicator with leadership experience, comfortable collaborating across teams and time zones.

Technical Skills

- **Languages:** Python, Java(Basic), C, SQL
- **Backend & APIs:** REST APIs, Flask (basic), WebSockets, API Integration
- **Testing:** Automation Testing, Selenium WebDriver (basic), API Testing
- **Databases:** MySQL
- **Tools:** Power BI, Git, Linux
- **Concepts:** SDLC, Agile Methodologies, CI/CD Basics, OOP, DBMS, Debugging

Experience

Software / Data Intern – Jawaharlal Nehru Port Authority (JNPA). *Dec 2025 – Present*

- Analyzed production port operations data and supported internal dashboards for monitoring and reporting.
- Integrated authenticated, date-based REST APIs and automated data extraction workflows.
- Performed backend debugging, API troubleshooting, and improved data accuracy and system reliability.

Chairperson – Computer Society of India (CSI), PCE Chapter. *Aug 2024 – Present*

- Led 15+ technical workshops and hackathons involving 1000+ participants.
- Served as a technical point of contact, resolving live technical issues and participant queries.
- Delivered sessions on CI/CD pipelines, version control, DevOps fundamentals, and software best practices.

Projects

JNPA Systems Development (Dashboard & Internship Portal).

- Developed an API-driven system using REST APIs and Power BI for port operations analytics.
- Built Python-based backend workflows for internship management and automated PDF letter generation.
- Resolved backend and UI issues related to API integration, file handling, and state management.

Real-Time Log Monitoring System.

- Built a real-time log monitoring system using Python and WebSockets for live server event streaming.
- Implemented client-server architecture to display logs instantly for system monitoring.
- Enhanced debugging and troubleshooting efficiency for backend services.

Manosahyog – Mental Health Support Platform.

- Contributed to the development of a technology-driven platform focused on mental health awareness and support.
- Worked on backend logic and data handling to support user interaction and information flow.
- Assisted in improving system reliability and usability for a socially impactful application.

Education

Pillai College of Engineering, Navi Mumbai. *2022 – Present*
Bachelor of Technology (B.Tech) – Computer Engineering *CGPA: 8.4*

Kendriya Vidyalaya, Karanja. HSC (2022): 80.2% *SSC (2020): 87.8%*

Certifications

- PHP & MySQL – IIT Bombay — Java DSA – Udemy — Software Testing – Simplilearn — From Excel to Power BI – Infosys Springboard