

Sanket Karwa

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Profile

Software Developer with strong foundation in Java, backend systems, and data-driven applications. Currently an SDE Intern at Mphasis, working on real-world software systems using Spring Boot. Experienced in API development, data analysis, and building scalable, maintainable applications.

Experience

Software Development Engineer (SDE) Intern Mar 2026 – Present
Mphasis — Java, Spring Boot

- Developed REST APIs using Spring Boot for backend services and application workflows.
- Implemented authentication and authorization mechanisms for secure system access.
- Designed modular architecture improving maintainability and code organization.
- Integrated backend systems with structured data and external services.

Technical Skills

- **Languages:** Java, Python, Go, C++
- **Backend & APIs:** Spring Boot, REST APIs, JSON
- **Data & Analytics:** SQL, Pandas, Excel, Power BI
- **Tools:** Git, GitHub, VS Code, Jupyter Notebook

Projects

Auth Task API (GitHub) 2026 – Ongoing
Java, Spring Boot, Spring Security, JWT

- Built a secure application with JWT-based authentication and authorization.
- Designed REST APIs for user and task management workflows.
- Implemented method-level security using `@PreAuthorize`.
- Added pagination using Spring Data Pageable for scalable data retrieval.
- Applied layered architecture (controller, service, domain separation).

E-commerce Analytics Dashboard (GitHub) 2025
Python, Power BI

- Processed and analyzed transactional datasets using Python (pandas).
- Built dashboards to visualize revenue trends, returns, and regional performance.
- Developed KPI-based insights to support business decision-making.

Education

Thapar Institute of Engineering and Technology Aug 2024 – May 2026
Master of Computer Applications (MCA) CGPA: 8.0 / 10

Gujarat University Jul 2021 – May 2024
Bachelor of Computer Applications (BCA) CGPA: 7.70 / 10

Certifications

- Deloitte Australia – Data Analytics Simulation (Forage)
- AWS Academy Cloud Foundations