



# Shivam Tiwari

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## Career Objective

Aspiring Backend Developer and Full Stack Intern with hands-on experience in building scalable web and desktop applications using technologies like Node.js, Express, Django, and PostgreSQL. Passionate about solving backend architecture challenges, database optimization, and full stack delivery of projects. Proven leadership through national-level hackathons and academic projects.

## Technical Skills

Languages: JavaScript, Java, Python, C++, C

Backend & Frameworks: Node.js, Express.js, Django, Java Swing

Frontend: HTML5, CSS3, JavaScript (DOM), EJS (basic)

Databases: PostgreSQL, MongoDB, SQL

Tools: Git, GitHub, Postman, Figma, VS Code, Linux, Docker (basic)

Key Concepts: REST APIs, MVC Architecture, DSA, OOP, JWT Auth, DBMS, JSON

Other technical skills : Numpy , Pandas and Matplotlib.

## Education

Bachelor of Engineering (B.E.) – Information Technology

Mumbai University | 2023 – 2027

GPA: 8.55 / 10

## Projects

- Smart Warehouse & Transportation Management System
  - Designed and developed an end-to-end logistics system with automated inventory control.
  - Integrated features like automated invoices, delivery OTP verification, and email notifications.
  - Improved inventory tracking efficiency and reduced delivery errors by ~30%.
- Hospital Management System

- Desktop application to manage appointments, patient records, and billing.
- Backend built with PostgreSQL; ensured ACID-compliant data storage.
- Enhanced hospital workflow automation, reducing appointment scheduling time significantly.
- Study Material Website (In Progress)
- Building a full stack web platform to share study resources among university peers.
- Designed backend architecture with modular Express.js routing and MongoDB schemas.
- Working on authentication and access-level permissions.

## Hackathons & Leadership

- Smart India Hackathon 2024 – Team Leader
- Led end-to-end development of a prototype addressing a real-world industry problem.
- Directed backend development, task delegation, and final deployment strategy.
- Hack2Crack 2.0 – Team Leader
- Built a LangFlow-based carbon footprint calculator using dynamic forms and data visualization.
- Focused on environmental analytics, impacting over 100+ mock users in testing phase.

## Interests

Interests: Backend Engineering, Data science , System Design, Football.