

# MANISH KUMAR

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## Professional Summary

Full-stack developer specializing in **Java (Spring Boot), React, and AI-driven solutions**, with experience building scalable applications, automation tools, and EdTech platforms. Demonstrated leadership as a **Google Student Ambassador**, President of CESOCIETY, and Campus Mantri at GeeksforGeeks—driving tech initiatives, hosting workshops, and mentoring students. Skilled in backend engineering, API development, cloud integration, and modern UI frameworks. Passionate about solving real-world problems, delivering clean and maintainable code, and contributing actively to developer communities.

## Education

### **Bachelor of Technology (B.Tech)**

Computer Science & Engineering (Data Science)

Meerut Institute of Technology | Meerut, Uttar Pradesh

2022 - 2026

- Awarded **2nd Place in TechFest 2025** for developing the **AI-Powered Smart Lab Assistant**, an innovative solution for automating lab experiment management.
- Secured **3rd Place in TechFest 2025** for the **AI-Driven Domain Model Extraction** research project.

### **Intermediate**

Science - PCM

Langat Singh College, Muzaffarpur (BSEB)

Grade: 78.8%

2020 - 2022

### **Schooling**

RJ High School, Aurai Muzaffarpur

Grade: 81.6%

2020

## Professional Experience

### **Web Development Lead – Client Projects**

AKYODigital Official Website (<https://akyodigital.vercel.app/>)

January 2025 - March 2025

- Led the complete development of a responsive business website for AKYODigital, improving their online brand presence.
- Coordinated with the client to integrate SEO-optimized content and enhance overall website discoverability.

### **Joint Secretary & Technical Head – Volunteer Work**

GEG Global Foundation ([gegglobalfoundation.org](https://gegglobalfoundation.org))

March 2025 – Present

- Developed and maintained the official NGO website to support community-building, events, and outreach activities.
- Built a clean, responsive interface to improve accessibility and engagement for donors, volunteers, and visitors.
- Managed technical operations, including updates, feature enhancements, and security monitoring.
- Collaborated with the NGO leadership team to align the digital platform with organizational goals and ongoing initiatives.

## Projects

### **AI-Powered Smart Lab Assistant**

January 2025 – May 2025

**Tech Stack:** Java, Spring Boot, Thymeleaf, LLMs, MySQL, React, Bootstrap, Redux

- LedBuilt an AI-driven platform to help faculty generate, explain, and manage lab experiments efficiently.
- Integrated features such as experiment storage, task assignment, and automated PDF generation.
- Implemented secure authentication and an admin dashboard for streamlined lab operations.
- Achievement:** Awarded **2nd Place in TechFest 2025** for presenting this project.

### **AI-Driven Domain Model Extraction (Research Project)**

May 2025 - Present

**Tech Stack:** Java, Spring Boot, MySQL, Hibernate, React

- Designed a research-based system to extract domain entities, attributes (future scope), and

relationships from user stories using LLMs.

- Built support for multiple AI model selections and structured domain output formats.
- Automated requirement analysis workflows to support software design processes.
- **Achievement:** Secured **3rd Place** in **TechFest 2025** for the project demonstration.

## **Skills**

### **1. Programming Languages:**

- Java (with Spring Boot), Python (Core), JavaScript, TypeScript, C, SQL, MongoDB

### **2. Frontend Development:**

- React.js, Redux, Bootstrap, TailwindCSS

### **3. Backend & Full-Stack Development:**

- Spring Boot with React, Vibe Code

### **4. Tools & IDEs:**

- VS Code, IntelliJ Idea, Eclipse, Git, Postman, GitHub, Vercel, Render, MySQL Workbench

### **5. Soft Skills:**

- Problem Solving, Team Collaboration, Leadership, Time Management, Communication

## **Training / Courses**

- Data Structure using Java
- Programming Using Java
- Full Stack Web Development
- React JS – Infosys Springboard (Virtual)
- Prompt Engineering – Columbia University (Virtual)

## **Key Achievements**

### **Google Student Ambassador – Google**

- Represented Google on campus by promoting programs, events, and learning initiatives.
- Engaged students through technical sessions, awareness drives, and community-focused activities.

### **President – CES (Computer Engineering Society), MIT Meerut**

- Led the organization of hackathons, coding contests, workshops, and technical seminars.
- Mentored juniors in coding, project development, and tech community engagement.

### **TechFest 2025 Achievements – MIT Meerut**

- **2nd Place:** AI-Powered Smart Lab Assistant (Automation tool for lab education).
- **3rd Place:** AI-Driven Domain Model Extraction (Research project for software requirement analysis).

## **Certifications**

- **Prompt Engineering – Columbia University (Jul–Aug 2025):** Completed an in-depth virtual program focused on effective prompt design, AI reasoning strategies, and optimizing LLM-based workflows.
- **Java Programming – Infosys Springboard (Feb–Aug 2025):** Completed an extensive Java training program covering OOP concepts, exception handling, multithreading, JDBC, and backend fundamentals.
- **React JS Certification – Infosys Springboard (Jun–Jul 2025):** Gained hands-on experience in component-based development, hooks, state management, and building responsive user interfaces.
- **TechFest 2025 – MIT Meerut:** Secured **2nd Prize** for the AI-Powered Smart Lab Assistant and **3rd Prize** for AI-Driven Domain Model Extraction, demonstrating excellence in innovation and problem-solving.

## **Interest**

- Full-Stack Development (Java, Spring Boot, React)
- Backend Development & API Engineering
- Building Scalable and High-Performance Web Applications
- AI-Driven Software Solutions & Automation Tools
- Exploring Emerging Technologies in Web & AI Ecosystems