

Manish Kumar Rana

Software Engineer | Full Stack Developer

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 [Portfolio](#)

 [GitHub](#)

 [LinkedIn](#)

PROFESSIONAL SUMMARY

Results-driven and detail-oriented Full Stack Developer with hands-on experience in developing, deploying, and maintaining responsive web applications. Skilled in HTML, CSS, JavaScript, React.js, Java, and Node.js, with a strong understanding of RESTful APIs, MVC architecture, and database management (MySQL/SQL). Proficient in Agile development, version control (Git/GitHub), and software debugging. Passionate about solving real-world problems through clean, efficient, and scalable code.

TECHNICAL SKILLS

Programming Languages: JavaScript, Java, Python

Frontend Technologies: HTML, CSS, React.js, Bootstrap

Backend Technologies: Node.js, Express.js, Java

Database: MySQL, SQL (Basic)

Tools & Platforms: Postman, GitHub, VS Code, Netlify, IntelliJ IDEA

Core Competencies: Problem Solving, Debugging, API Integration, SDLC, Agile Development, Software Testing

Certifications: Java (HackerRank), Basic SQL (HackerRank)

PROJECTS

University Management System [Live App](#)

- Designed and developed a **full-stack web application** using **Node.js, Express, and MySQL**.
- Implemented **secure authentication, student enrollment, and course registration** modules.
- Enhanced data efficiency by **40%** through optimized database queries and caching.
- Integrated **data analytics dashboards** for real-time reporting and performance tracking.

Weather Application [Live App](#)

- Built a responsive **front-end web app** using **HTML, CSS, and JavaScript**.
- Integrated **RapidAPI** for global weather forecasts with **asynchronous API calls**.
- Improved data retrieval speed by **35%** using optimized fetch and caching mechanisms.

Text-to-Speech Converter

- Created a **Python-based automation tool** that converts PDF text into audio output.
- Utilized **PyPDF2** for text extraction and **pyttsx3** for natural voice synthesis.
- Enhanced accessibility by automating document-to-audio conversion.

EDUCATION

Bachelor of Technology in Computer Science Engineering

Cambridge Institute of Technology, Ranchi — CGPA: 8.08

2019 - 2023

INTERNSHIPS / EXPERIENCE

- **Java SE Developer Intern** – KodNest Technologies Pvt. Ltd
- **Frontend Development Intern (Node.js)** – Codezeal Pvt. Ltd
- **Machine Learning with Python** – Briztech Infosystems
- **C Programming** – ShineSkill Software