

DEEPAK KUMAR RANA

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PROFILE SUMMARY

I'm an MCA graduate specializing in Manual Testing. Skilled in test case design, execution, and defect reporting using Jira. Proficient in SQL, Java, and basic front-end technologies. Seeking an entry-level software testing role to apply and grow technical expertise.

EDUCATION

Master of Computer Application (MCA) Gandhi Engineering Collage, Bhubaneswar	CGPA 9.15 <i>Sept 2023 – June 2025</i>
Bachelor of Science (B.Sc. Physics) F.M Autonomous College, Balasore	CGPA – 7.96 <i>Aug 2020 – May 2023</i>
Class 12th (C.H.S.E) Jhadeswar +2 Sc. Residential College, Balasore	Percentage – 87.5% <i>June 2018 – May 2020</i>
Class 10th (B.S.E) C.M.U.B.P, Goliha	Percentage – 84.5% <i>pass out - 2018</i>

TECHNICAL SKILLS

- Testing:** Manual Testing (SDLC, STLC, Test Scenarios, Test cases, Agile (Scrum), Functional Testing, Defect Life-cycle, Defect reporting, Defect tracking), API Testing (HTTP methods, REST API).
- Programming Languages:** Java (Java 8-17, Core Java, OOPS, SOLID Principles, Multithreading, Exception Handling, Collection Framework, File Handling).
- Database and Language:** SQL (Oracle SQL, MySQL, PostgreSQL).
- Tools and IDE:** Visual Studio Code, Eclipse, IntelliJ, Jira, Postman, Git, Git Hub.

PROJECTS

Smartcity Management System [[github](#)]:

Tech Stack: Spring Boot, ReactJS, MySQL, Tailwind CSS, Google Maps API, Eureka, API Gateway, Kafka.

A microservices-based application that manages core urban infrastructure including healthcare, tourism, public safety, and education.

- Designed modular microservices for healthcare, education, safety alerts, and tourism management using Spring Boot.
- Implemented user and admin roles with JWT-based authentication and Spring Security.
- Deployed services using Docker, managed inter-service communication with Eureka Server and API Gateway.
- Applied MySQL for structured data storage and Redis for caching high-frequency location queries.

CERTIFICATES

Microsoft Certified: Generative Artificial Intelligence (AI):

- Gained foundational knowledge of generative AI concepts, responsible AI practices, and the use of large language models (LLMs). Developed hands-on experience with tools like Azure OpenAI, Copilot, and prompt engineering to build ethical and impactful AI solutions for real-world scenarios.

Date

Signature