

kunal sonkar

Software Engineer

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SUMMARY

Software Engineer with experience in developing AI-powered recommendation systems, software validation pipelines, and full-stack platforms. Leveraged LLMs, Vector DBs, FastAPI, and modern web frameworks to optimize automated workflows and test selection efficiency.

EXPERIENCE

Software Engineering Intern – AI-Powered Validation Recommender

Dell Technologies

Jun 2026 – Jul 2026

- Developed an AI-powered test recommender analyzing Jira defects, GitHub code changes, and test history, reducing manual test-selection effort by 80%.
- Built a semantic retrieval pipeline using Vector DataBase embeddings to combine Jira context and code changes, generating 15–20 valid test recommendations per validation cycle.
- Implemented LLM-based test-case matching and re-ranking across qTest cases, improving test recommendation efficiency and reducing redundant test selection by 30%.

EDUCATION

Motilal Nehru National Institute of Technology Prayagraj, UP · Bachelor of Technology · 2023 – 2027

St. Xavier's High School Jabalpur, MP · Higher Secondary Education (Class XII, PCM) · 2022 – 2023

SKILLS

Languages and Frameworks: C++, JavaScript, Python, SQL, Express.js, FastAPI, LangChain, Node.js, React.js, Redux, Socket.io, Tailwind CSS

Databases: MongoDB, SQLite, Vector DB

Tools: Git, GitHub, Jira, Leaflet, Postman, qTest, Razorpay, Stripe, VS Code

PROJECTS

SkillShiksha

MERN Stack, MongoDB, Express.js, React.js, Node.js, Razorpay Developed an e-learning platform using MongoDB, Express.js, React.js, and Node.js for course creation, enrollment, and progress tracking. Implemented JWT-based authentication and payment integration using Razorpay.

MERN Stack, MongoDB, Express.js, React.js, Node.js, Razorpay

EventHub

React.js, Node.js, MongoDB, Stripe, Leaflet Built an event management platform featuring event creation, ticket booking, authentication, event tracking, and advanced event search. Developed a social networking feature and real-time mapping functionality using Leaflet and Stripe integration.

React.js, Node.js, MongoDB, Stripe, Leaflet

AWARDS

LeetCode Biweekly Contest 153 Rank 442, LeetCode Knight Title, Codeforces Specialist Status, Special Mention in Avishkar Robotics Event