

Kunal Ekare

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SUMMARY

Full Stack Developer and Data Science undergraduate with expertise in MERN Stack, FastAPI, Java, REST APIs, and AI-powered application development. Experienced in designing scalable web applications, secure backend services, and enterprise solutions using React.js, Node.js, Express.js, MongoDB, FastAPI, and SQL. Strong problem-solving skills with 500+ coding problems solved and hands-on experience building production-ready software.

EDUCATION

Degree/Certificate	Institution	Graduation Date	GPA/Score
B.Tech in Data Science	Ramdeobaba University (RCOEM),Nagpur	2023-2027	CGPA: 8.71
Higher Secondary (HSC)	Disha Edupoint, Warora, Chandrapur	2022	86%

SKILLS

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

Frontend:React.js, HTML5, CSS3, Tailwind CSS, Bootstrap, Material UI, Responsive Web Design

Backend:Node.js, Express.js, FastAPI, Spring Boot, REST APIs, JWT Authentication, MVC Architecture

Databases:MongoDB, PostgreSQL, MySQL, SQLite

Developer Tools & Platforms:Git, GitHub, Postman, Docker, Linux, VS Code, IntelliJ IDEA, Eclipse, npm, Maven

Core Computer Science:Data Structures & Algorithms, OOP, DBMS, OS,Computer network, System Design Basics

AI & Machine Learning:Deep Learning, NLP, Machine Learning, Sentence-BERT, OpenCV, Scikit-learn

PROJECTS

AI-Powered Answer Evaluation System | Python, FastAPI, EasyOCR, Tesseract OCR, NLP, S-BERT | [Preview](#)

- Developed an **AI-powered OCR and NLP pipeline** for automated descriptive answer evaluation.
- Applied **semantic similarity, feature extraction, and cosine similarity** for intelligent answer scoring.
- Built **REST APIs and analytics modules** for automated reporting and performance evaluation.

Tarkko Solutions | MERN Stack, FastAPI, MongoDB, PostgreSQL | [Preview](#)

- Developed a MERN Enterprise platform for service booking, project collaboration, and vendor management
- Developed **REST APIs with JWT authentication** using Express.js, FastAPI, MongoDB, and PostgreSQL.
- Integrated Role based Access Control, workflow automation, and project tracking modules.

Comfort Intelligence – AI-Powered HVAC Optimization | Python, FastAPI, React, RL, Recharts | [Preview](#)

- Developed an **AI-based HVAC optimization platform** using occupancy, CO₂, weather, and sensor analytics.
- Applied **Reinforcement Learning** for predictive temperature optimization and energy-efficient operations.
- Built **real-time dashboards** with KPI monitoring, heatmaps, and time-series visualizations.

WORK EXPERIENCE

India Space Lab (ISL) | Space Tech Intern | Remote June 2025 – July 2025 | • Completed technical training in Drone Technology, AutoCad, Satellites, and Remote Sensing.

NSS Unit | Co-Head | Nagpur Sept 2024 –Present | • Directing a volunteer team to execute community welfare events and environmental awareness drives.

ACHIEVEMENTS

- Runner-Up, Promptathon 2026** – Awarded **₹25,000** for developing an AI-powered HVAC optimization system
- 2nd Runner-Up,Ideathon** – Awarded **₹3,000** for presenting an innovative Automated answer evaluation system
- Solved 500+ coding problems on LeetCode and GFG.Built and maintained 70+ GitHub repositories

CERTIFICATIONS

- Oracle Generative AI Professional – Oracle
- Microsoft Power BI – Skill Course
- Data Structures and Algorithms using Java – NPTEL
- Fundamentals of Deep learning -NVIDIA