

KARTIKAY SRIVASTAVA

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SUMMARY

Computer Science undergraduate specializing in AI & ML with experience building full-stack software applications, backend services, and data-driven systems through internships and personal projects. Skilled in Java, Python, React.js, Node.js, and PostgreSQL, with a foundation in object-oriented programming, databases, and software engineering principles. Passionate about building scalable software and solving real-world problems.

EDUCATION

B.Tech in Computer Science & Engineering (AI & ML) | JECRC University, Jaipur CGPA: **8.72/10** | 2023 – 2027
Senior Secondary Education | Delhi Public School (DPS), Jaipur 2021 – 2022

SKILLS

- **Programming Languages:** Java, Python, JavaScript, TypeScript, SQL, C++
- **Core CS:** Object-Oriented Programming, Data Structures & Algorithms, DBMS, Operating Systems, Computer Networks
- **Frontend:** React.js, Next.js, HTML5, CSS3, Tailwind CSS
- **Backend & APIs:** Node.js, Express.js, FastAPI, RESTful APIs
- **Databases:** PostgreSQL, MongoDB, Supabase
- **Developer Tools:** Git, GitHub, Docker, Postman
- **AI & ML:** Machine Learning, NLP, RAG

EXPERIENCE

- Software Engineer Intern | Grids Apps LLC** [*Remote, Palestine*] Jul 2026 – Present
- Shipped production-grade full-stack features and RESTful APIs using React.js and Node.js, contributing to scalable software systems.
 - Accelerated agile development cycles by collaborating with cross-functional engineers to design, test, and deploy critical system components.
- Data Analytics Intern | Samatrix Consulting Pvt. Ltd.** [*Remote, India*] Jun 2025 – Jul 2025
- Automated operational reporting by engineering Python backend pipelines, efficiently processing datasets of **10,000+ call-center records**.
 - Transformed raw interaction data into actionable business insights by designing robust statistical analysis and preprocessing workflows.
- Commercial Apprentice (Operations & Data) | Fracht Kenya** (*Swiss MNC*) [*Nairobi, Kenya*] Jul 2025 – Aug 2025
- Streamlined international freight workflows by driving end-to-end coordination across operations, commercial, and customs teams.
 - Enhanced operational visibility by auditing data capture processes and identifying targeted improvements for reporting efficiency.

PROJECTS

- AetherQ – Full-Stack Document Search Platform** | [*Next.js, PostgreSQL, Supabase*] Apr 2026
[\[GITHUB\]](#) [\[LIVE\]](#)
- Engineered a full-stack document intelligence platform supporting semantic search over **100+ page documents** and natural-language SQL generation.
 - Designed a scalable backend pipeline for parsing and embedding retrieval using pgvector, reducing vector search latency to **under 500ms**.
- Credit Card Fraud Detection System** | [*Python, XGBoost/LightGBM, FastAPI, Docker*] Dec 2025 – Jan 2026
[\[GITHUB\]](#) [\[LIVE\]](#)
- Built an ensemble ML fraud-detection system (XGBoost, LightGBM, CatBoost) achieving a best **95.16% ROC-AUC**.
 - Developed FastAPI RESTful APIs and real-time Streamlit dashboards, containerizing the application with Docker for reliable deployment.
- MindineersOS – Full-Stack Modular Platform** | [*TypeScript, React 19, Bun, PostgreSQL*] May 2026 – Jun 2026
[\[GITHUB\]](#)
- Engineered a modular full-stack platform using Bun and React 19, supporting real-time WebSocket updates and **150+ ecosystem plugin integrations**.
 - Designed a high-performance database layer leveraging Drizzle ORM and pgvector, ensuring scalable and reliable data retrieval for automated workflows.

POSITIONS OF RESPONSIBILITY

- Campus Executive (Strategic Operations)** | E-Cell, IIT Bombay Jul 2024 – Dec 2024
- Represented JECRC University at E-Cell IIT Bombay; contingent member of the NEC 2024 National Winning Team.
- Operations Lead – Entrepreneurship Development Program** | JECRC Incubation Centre Oct 2023 – Nov 2024
- Led entrepreneurship development coordination with mentors and startups, engaging **1,500+ students**.

CERTIFICATIONS

[\[VIEW DRIVE LINK\]](#)

- **DSA with Java** (Apna College) Jun 2026
- **Natural Language Processing using spaCy** (Udemy) May 2025
- **Cloud Computing Foundations** (Google) Apr 2025
- **Neural Networks & Deep Learning** (Samatrix) Jan 2026

ACHIEVEMENTS & EXTRACURRICULARS

- **Contingent Member, National Winning Team** — National Entrepreneurship Challenge (NEC) 2024, IIT Bombay.
- **Top 4 Team** — BitByBit 48-Hour Hackathon, Cognizance 2025, IIT Roorkee.
- Developed an ML-powered career advisory platform combining quiz-based assessment with stream classification for Smart India Hackathon 2025.

HOBBIES AND INTERESTS

Travelling, Singing, Adventure Sports