

Krishna Jain

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PROFESSIONAL SUMMARY

Enthusiastic and skilled Computer Science student with a zeal for software development and machine learning. Known for effective communication, problem solving, and commitment to continuous learning in cutting-edge technologies.

EDUCATION

- Indian Institute of Information Technology** Sri City, India
BTech - Computer Science and Engineering; GPA: 9.3 August 2023 - Present
Courses: Operating Systems, Data Structures and Algorithm, Computer Architecture, Probability and Statistics, DBMS

SKILLS SUMMARY

- Languages:** JavaScript, TypeScript, Python, SQL, HTML/CSS, Java
- Frameworks & Libraries:** React.js, Next.js, Node.js, Express.js, Flask, Apollo Server, TailwindCSS, Material-UI
- Databases & ORM:** MongoDB, PostgreSQL, Redis, Prisma, MySQL
- Messaging, Streaming & APIs:** Kafka, Socket.IO, WebSockets, REST APIs
- Deployment & Tools:** Docker, Nginx, AWS (Lambda, EC2, S3), Vercel, Git, Postman, Linux, Jupyter Notebook
- Soft Skills:** Leadership, Writing, Public Speaking, Time Management

EXPERIENCE

- Grow Digi India Ltd - Intern** Remote
AI Intern (Part-time) October 2024 - December 2024
As an AI Intern at Grow Digi India Ltd., you will focus on developing innovative solutions in Natural Language Processing (NLP) and Generative AI. Your role involves researching and implementing cutting-edge AI techniques to create impactful and efficient applications.
- Renew Energy - Intern** On-Site
Model Developer and Optimization (Full-time) July 2024 - Aug 2024
 - Data Analysis:** Analyze data related to key performance indicators (KPIs) and financial metrics. Prepare reports and presentations to communicate the findings to senior management.
 - Market Research:** Conduct market research to identify trends, opportunities, and potential threats. Provide insights into market dynamics and customer preferences.
 - Strategic Planning:** Assist in the development and refinement of the company's strategic plans. Conduct market research and competitive analysis to support decision making.
- Epoch (Machine Learning Club)**
Domain - Neuronauts August 2024 - Present
 - Co-Lead (Aug 2025 - Present):** Leading initiative, mentoring members, and driving AI/ML projects.
 - Core Member (Aug 2024 - Aug 2025):** Assisted in organizing events and contributed to ML project development.

PROJECTS

- PollApp (Polling Application with REST GraphQL):** Developed a full-stack MERN-based polling platform enabling users to create polls, vote, and view real-time results. Implemented secure JWT-based authentication with email verification and password hashing using bcryptjs. Built RESTful APIs and GraphQL endpoints for poll management, user statistics, and email notifications. Tech Stack: Node.js, Express, MongoDB, Prisma ORM, PostgreSQL, GraphQL (Apollo Server), JWT, bcryptjs, Nodemailer. 🚀
- AgriIntel:** Python-based AI system delivering real-time agricultural insights through weather forecasting, crop disease detection, and soil-based crop recommendations. Leverages time-series models (ARIMA, Prophet), MobileNetV2 for plant disease classification, and Random Forest for predictive analytics. Features geofencing, live dashboards, and sensor data integration for smart farming decisions. **Tech** - Python, FastAPI, MongoDB, Streamlit, Plotly, Folium, ARIMA, Prophet, MobileNetV2, Random Forest, OpenWeatherMap API, Google Maps API
- DocSync (Real-Time Collaborative Document Editing App):** Developed a real-time collaborative document editor using Next.js with WebSockets for live synchronization across multiple users. Implemented secure Google OAuth 2.0 authentication and user session management. Built an interactive collaborative editing interface with fast and modern UI. Tech Stack: Next.js, WebSockets, Google OAuth 2.0. 🚀
- ChatterBox (Real-Time 1v1 Video Chat App):** Developed a MERN-based application enabling peer-to-peer video/audio calls with WebRTC and Socket.IO. Implemented media streaming with call controls (mute/unmute, video on/off, decline/end call). Built secure authentication using JWT, bcrypt, cookie sessions, and user profile management with MongoDB. Tech Stack: React, TailwindCSS, Node.js, MongoDB, WebRTC (Simple-Peer), Socket.IO. 🚀

CERTIFICATIONS

- IBM Data Science Professional Certificate
- Tensorflow-Keras Bootcamp (OpenCV University)
- DeepLearning.AI Professional Certificate(Deep Learning)