Meet Jain

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Skills

- Artificial Intelligence | Machine Learning | Data Science | Natural Language Processing | Predictive Analytics | Generative AI | Computer Vision | Web Development | DevOps | Business Analytics | Business Data Management | Stock & Trading Analytics
- Python | JavaScript | TypeScript | C++ | C | Advanced Excel | Power BI | SQL | Scikit Learn | TensorFlow | PyTorch | Keras | XGBoost | LightGBM | spaCy | NLTK | MLflow | Weights & Biases (wandb) | Streamlit | HuggingFace Transformers | LangChain | Express | ReactJS | Next | Next Auth | AWS | CI/CD | Docusaurus | Docker | Monorepo | Turborepo | ORM | Prisma | Scaling | Linux | Postman | System Design | Postgresql | MongoDB | Tailwind CSS | Node JS
- Leader | Critical Thinker | Innovative | Resilient | Problem Solver | Team Player | Time Conscious | Adaptable & Continuous Learner | English, Hindi– All professional proficiency or above.

Experience

| Internship | Larsen and Toubro | *Chennai* | **07/25 - Current** |

- Applying data analytics and machine learning techniques to model and analyze **geospatial datasets** for irrigation networks, enhancing operational efficiency and network optimization.
- Developing and preprocessing **GIS data using Python and GIS tools** to enable feature extraction, spatial pattern recognition, and data-driven segmentation of irrigation zones.
- Creating interactive dashboards and visualizations with tools like Power BI and ArcGIS Online, supporting **real-time performance monitoring and strategic decision-making** for irrigation infrastructure.

| Executive Director & Maintainer | TCET Open Source | *Open Source Organization* | **06/23 - 11/23** |

- Led and delivered four **technical bootcamps (Docusaurus, Arch Linux, TCET Linux, GitHub)**, training 6+ members and increasing open-source participation by 30%, and authoring the TCET Linux OS documentation using Markdown and CI/CD, reducing onboarding time by 30% and supporting 2,000+ daily active users.
- Managed repository operations during **Hacktoberfest 2023**, maintaining 100% CI/CD pipeline reliability across 15+ pull requests; promoted from Intern to Executive Director & Repository Maintainer (Level 6) for driving impactful documentation and collaboration.

Hackathon and Projects

| Stox Sight | AI-Powered Predictive Analytics for Secure Stock and Crypto Markets | *TCET* | **04/25 - Current** |

- B.Tech. Project Currently designing and iterating an AI-driven system using Python, Scikit-Learn, TensorFlow, and PyTorch to forecast stock and crypto prices with up to 15% improved accuracy, while building FastAPI + Streamlit pipelines for automated PDF reports and actionable investment insights.

| BDM Project | Business Data Management Project | *IIT Madras* | **10/24-04/25** |

- Designing and implementing data-driven strategies for wholesale grocery operations using **segmentation, time series forecasting, and churn prediction**, optimizing **pricing and inventory management** with projected **12% profit increase** and **8% reduction in customer attrition**.

| MLP Project | System Threat Forecaster | *IIT Madras* | **01/25-04/25** |

- Developing and deploying threat detection models **(Logistic Regression, Random Forest, LightGBM)** in Python, achieving **62.57% malware risk prediction accuracy** and system property analysis; awarded **81/100 (A Grade)** for project excellence.

Education

| Bachelor of Technology | Thakur College of Engineering and Technology (TCET) | *Mumbai, MH, India* | **11/22 - 06/26** |

- Major in **Artificial Intelligence and Machine Learning (CGPA 9.47 / 10 Currently in Fourth Year Seventh Semester)**

| Bachelor of Science | Indian Institute of Technology Madras (IIT-M) | *Online* | **10/22 - 06/26** |

- Major in **Data Science and its Applications** (Currently in **Diploma Level 7.35 CGPA**)

Certificates

1- Foundation in Programming & Data Science IIT Madras

2- Deep Learning Specialization - Deeplearning.ai (Current)

3- Cohort 1-100 Web Dev Senior Engineer- Harkirat Singh (Current)

4- Machine Learning Specialization - Stanford Online

5- Cohort 0-1 Web Dev Junior Engineer- Harkirat Singh

6- Implementing Machine Learning Techniques using Numpy IIT Madras Workshop