

Jatin Sharma

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EDUCATION

Bachelor of Technology

ICFAI University, Jaipur, 9.0 CGPA

Aug 2020 – present

SKILLS

Languages and Technologies (C++, Python, JavaScript, React.js, SQL) • **Tools** (VSCode, Linux, Git, PyCharm, Spyder)

PROFESSIONAL EXPERIENCE

Technical Intern

Jan 2024 – present | Remote

Team Geek Solutions (Internship)

- Developed dynamic user interfaces using ReactJS, enhancing the overall UI and responsiveness of web applications.
- Implemented state management using Redux to efficiently manage and synchronize the application's global state.
- Proficiently utilized JavaScript to create modular and scalable code, contributing to the maintenance and improvement of existing features within the project.

Research Consultant

Nov 2022 – present | Part-Time

WorldQuant BRAIN (Part- Time)

- Part of the High-Frequency Trading team in WorldQuant BRAIN which is a subsidiary of WorldQuant.
- Created Quantitative Trading strategies known as Alphas for various markets using Websim, an online modeling platform.
- Generated Statistical Arbitrage models to predict the future price movement of securities in the Equity based asset class.

Backend Developer

Jun 2022 – Aug 2022 | Remote

Pie-Gamers (Internship)

- Built the infrastructure, toolset, and deployment pipeline to support API development.
- Developed robust services in coordination with frontend developers and produced well-tested, high-quality code.
- Develop robust Python applications and integrate them with the front end.

PROJECTS

Stock Market Prediction

Machine Learning, Deep Learning, Neural Network, RNN, LSTM

- Developed a stock market price predictor based on the AAPL dataset. In this, we created timesteps of 100 days.
- Used feature engineering to reduce the scaling of the dataset. Implemented LSTM for the prediction of the stock price.
- We also predicted the future stock price of 100 days with the newly generated data by predicting the stock prices.

Movie Recommendation System

Machine Learning, Statistics, Vectors, Cosine Similarity


- Engineered a sophisticated Content-Based Movie Recommendation system that employs cosine similarity to provide precise movie recommendations.
- Applied advanced techniques in vectors, trigonometry, and data manipulation to generate descriptive tags for vector identification, significantly enhancing the system's recommendation accuracy..
- Utilized cosine similarity to pinpoint related vectors with the nearest angles,.


Potato Disease Prediction

Machine Learning, Deep Learning, CNN, Data Augmentation

- Engineered a Potato Disease Prediction System capable of accurately distinguishing between Early or Late Blight potatoes.
- Leveraged Convolution layers to extract essential features from the input data and designed a robust deep neural network, significantly enhancing accuracy.
- Implemented data augmentation techniques to significantly enhance the model's accuracy and robustness

CERTIFICATES

Machine Learning A-Z™: AI, Python & R  (Machine Learning, Supervised Learning, Unsupervised Learning, DeepLearning)

Data Science with Python  (EDA, Statistics, Probability, Linear Algebra, Calculus, Data Science, Machine Learning)

POSITION OF RESPONSIBILITY

The ICFAI University, Jaipur

Secretary - The IcfaiTech Council (2022-23)

Coordinator- The Innozanta Club (2022-23)