Oishi Chatterjee

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EDUCATION

Vellore Institute of Technology Bhopal, MP
B.Tech in Computer Science and Engineering - 8.63 CGPA *Aug 21 – June 25*
Shaw Public School Kolkata, WB
Class XII - 94.25 *April 19 – May 21*
Shaw Public School Kolkata, WB
Class X - 97.00 *April 08 – March 19*

TECHNICAL SKILLS

JAVA, HTML/CSS, JavaScript[React, AngularJS, Node.js Vue.js], SQL, Python

CERTIFICATES

- Intro to SQL, Kaggle— October,22
- iamneo DSA using Java— May,24

PROJECTS

AI Stock Trading Bot | *Python[Lumibot, alpaca, torch, transformers]* May 24 - Jul 24
- Developed an advanced AI-driven trading bot capable of executing complex strategies autonomously.
- Integrated machine learning models, including deep neural networks and reinforcement learning algorithms, for predictive analytics and decision-making.
- Achieved exceptional performance in backtesting and live trading environments, optimizing for profitability and risk management metrics.
- Utilized algorithms like Linear Regression, Decision Trees, Random Forest, and LSTM, achieving an accuracy of over 75% in predictive modeling, with LSTM providing the highest accuracy at 80.5%.

Suraksha Setu | *Firebase, Python, Deep Learning, TensorFlow, ReactJS* Sept 23 - May 24
- Created a real-time website for tracking rescue agencies and streamlining emergency resource allocation.
- Enabled seamless communication among rescue agencies, volunteers, and communities for coordinated disaster response.
- Deployed a cloud-based API with 83.4% uptime, ensuring easy integration and scalability.
- Implemented deep learning to predict resource needs with 80% accuracy. Implemented real-time data visualization, reducing manual tracking by 60%.

Fake News Detection | *Python, NLP libraries, TensorFlow* Jan 23 - Feb 23
- Developed an AI-powered system using Python to detect fake news through NLP and ML algorithms
- Utilized NLTK, SpaCy, and Gensim for advanced text analysis to identify linguistic patterns of misinformation.
- Integrated real-time data scraping with Anaconda for continuous model updates and reliable information delivery.
- Used algorithms like Naive Bayes, Logistic Regression, Decision Tree, Random Forest and SVM getting accuracy above 95% and Decision Tree gives highest accuracy that is 99.8%.

EXPERIENCE

Web Developer Intern Oct 23 - Dec 23
MyFirstAd Digital Marketing Agency *New Delhi*
- Developed responsive and visually appealing websites for both agency and clients.
- Integrated APIs to enhance website functionality and user experience.
- Conducted usability tests to gather user feedback and collaborated with the marketing team to refine designs and create SEO-optimized content, increasing organic traffic by 20%.

Analyst Intern Jan 25 - Jun 25
HSBC Electronic Data Processing India Pvt. Ltd. *Bangalore*
- Working in the Traded Risk MRDS department, gaining hands-on experience in risk analysis and financial data processing.
- Assisting in analyzing market and credit risk data, supporting the team in risk model development and validation.
- Collaborating with senior analysts to refine risk metrics and enhance reporting accuracy.
- Engaging in data-driven research and contributed to insights that helped optimize risk strategies.

Achievements

JP Morgan Chase & Co. Code for Good Hackathon 2023: Finalist
GeeksForGeeks: Institute rank 679.
HackerRank: 5 star in problem solving
HackerRank: 5 star in Python
Android Club, VIT Bhopal: Core Member, Content Team
Bengali Club, VIT Bhopal: Core Member, Design Team

Interests

- Avid Book Reader – Read novels on genres like fiction, mystery, thriller
- Swimming - District-level gold medalist