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Krishna Tyagi

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WORK EXPERIENCE

PlatUI

Software Engineering Intern

3 Months

- **React Development:** Resolved bugs and developed new features for the React frontend, improving UI/UX and performance.
- **OpenAI API:** Utilized Python with OpenAI API to generate optimized prompts and automate design refactoring, reducing manual effort.
- **Java Code Generation:** Collaborated on the development of Java-based code generation from Figma designs, streamlining the design-to-code process.

Oasis Infobyte

Python Developer Intern

1 Month

- **Python Applications:** Developed multiple Python-based desktop and web applications, showcasing expertise in various libraries such as Tkinter, Flask, and Pandas.
- **Automation Scripts:** Created automation scripts to handle repetitive tasks, improving efficiency and reducing manual input.

PROJECTS

- **Blockchain-based Certificate Generation and Validation:** Built a secure platform using blockchain technology to generate and validate certificates, ensuring tamper-proof records and preventing fraudulent claims. Tools used: Hardhat, NextJs, Solidity, and IPFS.
- **Stock Market Price Indication with Predictions:** Implemented a stock price prediction system using machine learning models on historical market data. Utilized Django for the backend, Python for the predictive models, and Matplotlib with NumPy for data visualization.
- **Charity Funding with Blockchain:** Developed a transparent and secure charity funding platform leveraging blockchain, allowing real-time tracking of donations and ensuring accountability. Utilized Hardhat and Ethereum smart contracts.
- **Chat Application using Django:** Developed a real-time chat application with Django and WebSocket integration, offering seamless communication and group chat features.
- **Handwriting Recognition using ML (MNIST Dataset):** Designed and trained a neural network model using PyTorch to recognize handwritten digits from the MNIST dataset with 98% accuracy.

EDUCATION

ABES Institute of Technology

Ghaziabad, UP, India

Bachelor of Technology (CS), Specialization in AI, GPA: 7.5

Aug 2021 – Present

- **Relevant Coursework:** Data Structures & Algorithms, Machine Learning, DBMS, Software Engineering, Web Development, Object-Oriented Programming

Dewan Public School

Hapur, UP, India

12th from CBSE Board – 93%, 10th from CBSE Board – 86%

2019 – 2021

SKILLS

Languages: C++, C, Python, JavaScript, Java, Solidity, HTML/CSS

Technologies: Git, Linux (Ubuntu, Arch), MongoDB, SQLite, Django, PyTorch, Scikit-Learn, NextJs

ACHIEVEMENTS

- **Finalist in Multiple Hackathons:** Successfully qualified for final rounds in prestigious in-campus and off-campus Hackathons.
- **LeetCode Enthusiast:** Solved over 400 coding problems on LeetCode, demonstrating strong proficiency in algorithms, data structures, and problem-solving techniques. Regularly ranked in the top percentile for competitive coding challenges.