VIVEK NAMAYE

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EDUCATION

Thadomal Shahani Engineering College   **2019 - 2023**
Bachelor of Engineering, Computer Engineering; CGPA-9.48   *Mumbai, India*

EXPERIENCE

JPMorgan Chase & CO.   **Mumbai - India**

Software Engineer I | Python   **Aug. 2023 – Present**
- Implemented various code changes in global trade management and processing of Credit Derivatives.
- Set up an end-to-end testing environment, reducing production issues by 20% through improved testing of critical business releases.
- Developed a dashboard for sales assistants that automates trade message capturing and processing with external venues, saving 12+ hours of manual work per week.
- Built a regression test pack for various components in the system.

Software Engineer Summer Intern | SpringBoot, ReactJS   **June 2022 – July 2022**
- Built various utilities to automate manual processes in both frontend and backend.
- Built a code generator in JAVA to create code files with a predefined structure in a single click.

TECHNICAL SKILLS

Languages: Python, C++, C, JavaScript, HTML, CSS
Developer Tools: Visual Studio, Visual Studio Code, Figma, Github, Jupyter Notebook
Web Development Technologies: NodeJS, ReactJS, Django, Flask
Machine Learning Libraries: TensorFlow, PyTorch, Keras, OpenCV, Plotly, Scikit-learn, Matplotlib

PROJECTS

Smart Production Support Assistant | Python, ReactJS   **September 2024**
- Winning solution at an internal global hackathon organized by JPMC.
- Built an AI-powered smart assistant to help production support teams better handle recurring issues and suggest possible resolutions. This reduces turnaround time by 80% and saves hours of developer and PM teams time.
- Uses Retrieval Augmented Generation(RAG) and classification algorithm to predict results.

DeepMint | Javascript, Django, Solidity, Ganache, Truffle | Research Paper   **March 2023**
- Developed an AI-powered system to generate digital art NFTs using the Stable Diffusion model.
- Enabled users to create, mint, and sell NFTs on OpenSea with blockchain-based authentication.
- Achieved an average image generation time of 10–30 seconds, improving efficiency over existing tools.

Aankh | NodeJS, ExpressJS, MongoDB, Python, ReactJS | GitHub, Docs   **February 2022**
- Built an ML based e-proctoring with live admin dashboard and easy integration with Google Forms and Microsoft Surveys.
- Offers smart checks like DevTools detection, face-pose estimation, noise detection, multiple tab checks, etc.

Photos to Monet converter | TensorFlow, Keras, Flask, HTML, JavaScript | Github   **October 2021**
- Built a single-page application using a CycleGAN-based U-Net model for image-to-image translation, converting photos into Monet-style images.

ACHIEVEMENTS

- Winner, JP Morgan Spread Hackathon: Developed a smart assistant for production support in a 48-hour global event with 60+ participants
- Runner-up, JP Morgan SEPathon 2023: A 24-hour hackathon with 60+ SDE1 participants
- Runner-up, RUBIX Hackathon (TSEC): Developed "Aankh," an e-proctoring solution in a 24-hour intercollege event with 80+ participants
- Winner, Intercollege project expos at TSEC and FRCRCE