PRATHMESH BHATT

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Portfolio Website

Experience

JP Morgan and Chase   **June 2023 – August 2023**
Software Engineering (Product and Data) Internship   *Plano, Texas*
- Pioneered an **OmniAI** solution for real-time predictive models, leveraging **GPT-4** and **React** to enhance the Chase Debit platform. Reduced erroneous declines by **10%**, recovering millions of transactions annually from the **1 billion Point of Sale** transactions.
- As a **full-stack developer**, leveraged **Figma**, **Typescript and AWS**. Improved efficiency by detecting anomalies in **transactional activity** across channels and enhancing the **ML pipeline** and code runtime.
- Led **UI/UX development** using **Moneta Web**, implemented **S3** for storage. Proficiently executed tasks in an **AGILE** environment, collaborating with **JIRA**, **BitBucket**, and utilizing **Kanban** methodology.

NCR Corporation   **May 2022 – August 2022**
Payments and Network Software Engineering Intern   *Addison, Texas*
- Building automations to generate and **execute test cases** to evaluate validity of **ETL pipelines** using **kSQL** and **KAFKA**. Creating **pipelines**, **test cases** and script in python for **test case generation.**
- Project involving **unit and integration** testing running one **kSQL transformation query** and **pipeline** at a time. Constructing a **report** after test execution to show **failed testcases and data discrepancies**.
- Working in an **AGILE environment** along with **SCRUM** integration.

Boomify   **October 2021 – Present**
Chief Product and Technology Officer   *Richardson, Texas*
- As **Chief Product Officer** and **Co-founder** at Boomify, directed product-market fit and competitive analysis, fueling a **30%** uptick in user acquisition and **25%** higher campaign engagement.
- Overseeing the product development lifecycle, drove a **40%** improvement in campaign strategy and a **35%** revenue increase through advanced data analysis and visualization modules.

Education

University of Texas at Dallas - Collegium V Honors   **August 2020 – May 2024**
Bachelor of Science in Computer Science, Minor in Entrepreneurship and Innovation   *Richardson, Texas*

Certifications and Skills

Google Project Management Professional Certificate and Wharton School of Business Specialization- Developed crucial skills in leadership engagement, **stakeholder** and vendor relationship management, prioritization, process development and improvement, project coordination, planning, reporting, and **financial analysis.**

Skills - Linux, UNIX, Ubuntu, Swift UI, Swift for Watch OS, Mobile OS, XCode, Cocoapods, Objective C, Product Management, Product Design(UI/UX), Kanban, Python, Figma, React, R, SQL, Redux, Pytorch, Spreadsheet, AWS Amplify, AWS SageMaker, AWS Lambda, Langchain, Data Analysis (Python, pandas, numpy), scikit-learn, Flask, React, Firebase, NodeJS, NextJS, Thirdweb SDK, RICE Framework, ML Pipeline Enhancement, KAFKA, Docker, BitBucket.

Leadership / Extracurricular

Fraternity and Clubs   **December 2021 – Present**
Vice President External   *University of Texas at Dallas*
- **Vice President** of Delta Epsilon Psi The Beta chapter- Efficaciously spearheaded fundraising efforts that secured over **$20,000** in charity for JDRF. Skillfully managed events to generate an impressive profit margin of over **65%**.
- **Vice President** of Hack to Help- Served as a UI/UX based incubator service for several startups. Led initiatives that resulted in a notable **30%** increase in startup engagement and a **25%** surge in successful project launches.

Projects

Portfolio Analysis and Optimization project | *Python, pandas, numpy, SciPy, MVO, Jupyter, sklearn*   **June 2023**
- Utilized Python's **pandas**, **NumPy**, and **scikit-learn** to analyze historical financial data, applying Mean-Variance Optimization and achieving up to **15%** enhanced returns through strategic asset allocation, demonstrating proficiency in data manipulation, numerical computation, and financial modeling.

Code for Good: | *Nexxt JS, Mantine UI, tailwind CSS, Tensorflow, Postgresql, Docker, Node JS, ExpressJS* **October 2022**
- Created CMS for Coastal Compass for students living in the rural area using **NexxtJS**, **Postgresql**, **express** along with **Postman** for managing the API calls. Using **tensorflow** and dialogflow provided by **Google cloud platform**, increased the predictions of training models by **27.5%**.

MetaverseEstate | *React , Firebase, OpenSea API , Python , flask, NodeJS, Thirdweb sdk, MetaMask, NextJS* **April 2022**
- Web app facilitating effortless buying/selling of properties in the Metaverse. Employs machine learning (**Python/Flask**) for **NFT developer designs**. Utilizes **thirdweb sdk** for 25% faster NFT developer/realtor connections and offers **MetaMask-secured Ethereum** payments with Firebase storage.