Naad Borole

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Education

University of Southern California   **Aug. 2023 – Present**
Master of Science in Computer Science   *Los Angeles, California*
- GPA: 3.7/4.0
- Courses: Analysis of Algorithms, Database Systems, Game Engine development, Machine Learning

Pune Institute of Computer Technology   **July. 2018 – July. 2022**
Bachelor of Engineering in Computer Engineering with Honours in AI and ML   *Pune, India*
- CGPA: 9.67/10
- Courses: Theory of Computation, Discrete Mathematics

Experience

Mastercard   **July 2022 – July 2023**
Software Development Engineer 1   *Pune, India*
- Implemented features and tested critical API changes to the MasterCard Payment Gateway API using technologies like **Java, SpringBoot**, which added support for resubmission of transactions
- Worked on the authentication, fraud and risk domain and implemented features concerning sanctions which enabled adding sanctions based on IP address and country dynamically.
- Utilized Jenkins for the purpose of monitoring and triaging test cases which improved system stability

Persistent Systems   **May 2021 – July 2021**
AI/ML Intern   *Pune, India*
- Assisted in research of Federated Machine Learning. It involved studying various approaches to horizontal and vertical federated machine learning.
- Developed a model for Vertical Federated Machine Learning which expanded the use of machine learning algorithms to include vertically separated data.

Technical Skills

Languages : Java, C++, Python, HTML/CSS, JavaScript, SQL (MySQL, Postgres)
Frameworks : Spring Boot, Django, Jenkins, GitHub, JUnit, React, Node.js
Technologies : Machine Learning, Deep Learning, Algorithms and Data structures, Game Development

Projects

Smart Chatbot With Extractive Question Answering | *Python, NLP, Haystack, Elastic Search*
- A chatbot capable of descriptively answering questions from text data which is fed into the model.
- The chatbot consisted of two major modules namely, Extractive question answering and document retrieval.
- The extractive question answering module involved technologies like Python, haystack, elastic search and NLP.
- The document retrieval module made use of NLP models to fetch documents similar to given text or document.

Covid-19 Sentiment Analysis Dashborad | *Python, NLP, Django, JavaScript*
- Created a twitter scraping bot to get real time tweet data from twitter regarding COVID-19.
- Sentiment Analysis using NLP was applied on the data collected. The results were presented on a dashboard and updated periodically.
- Selected as one of the top 30 projects in IBM Hackathon 2020.

Certifications and Achievements

- **Certificates**: Machine Learning , Deep Learning Specialization, Neural Networks and Deep Learning, Convolutional Neural Networks
- Graduated bachelors with Honours in Artificial Intelligence and Machine Learning
- Solved 300+ problems on Leetcode and geeksForgeeks.