Jai Lunkad

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EXPERIENCE

Synsoft Global — WFH
Software Development Intern — *July 2022 – Sep 2022*

- Built a prototype application for Land Registration in India on the Hyperledger Fabric blockchain
- Designed and created the Network Infrastructure Layer, connected to the chain state database and shim API and also to web application
- Leveraged docker for containerisation, MongoDB and Python to manage the database and Golang for chaincodes

Facebook — San Francisco, CA
Software Engineer Intern — *May 2020 – Aug 2020*

- Secured an internship with Facebook (Cancelled due to COVID-19)

Privacy Security & Automation Lab — Philadelphia, PA
Research Assistant — *Sep 2018 – Mar 2019*

- Implemented an authorship anonymization tool(Anonymouth) in Python leveraging feature extraction and Abstract Syntax Trees under the supervision of Dr. Rachel Greenstadt
- Converted several Java libraries to Python

JetSynthesys Inc — San Francisco, CA
Software Engineer Intern — *Apr 2018 – Aug 2018*

- Implemented a Database cache management system, using Redis, reducing load time on the 10 most popular devices by 12% on average in the android app "Sachin Saga Cricket Champions" which has 2 million downloads

EDUCATION

Santa Clara University — Santa Clara, CA
Bachelor of Science, Computer Science — *Dec 2022*
Emphasis in Data Science and Applied Machine Learning

Development Skills: Python, Java, Go, SQL, Postgres, AWS, HTML, javascript, React, Node.js, MongoDB, keras, Docker, Latex

PROJECTS

Sentiment Analysis of Movie Reviews (Link)

- Engineered a machine learning model using Long Short Term Memory neural networks analysing a database of 50,000 IMDB reviews in plaintext and classified as positive or negative thereby providing a quantitative rating for movies

Analysing Lyrical Diversity of Artists (Link)

- Built a ML model using TF-IDF and cosine similarities to asses diversity and originality of lyrics written by popular musical artists

KNN Algorithm to Classify Songs into Playlists (Link)

- Developed a ML model utilising K Nearest Neighbour algorithm to analyse a song based on its musical attributes and classify it into a specific mood
- Compiled a dataset based on peoples listening history and used feature engineering to clean and preprocess data

LEADERSHIP

Teaching Assistant for Data Science (CSCI-183)

- Conducted Tests and graded homework for a class of 28 students — *Mar 2022 – Jun 2022*

Math and Computing Society

- Volunteered to guide freshman in Introductory Computer Science courses (COEN 20, 21) — *Sep 2022 – Jun 2022*

Rotaract Club, International Service Director

- Co-founded RoFresh, a nonprofit startup with a goal of delivering fresh, organic food — *May 2018 – June 2019*
- Managed a group of 23 employees to setup an optimal logistics network in several neighbourhoods