

NEETHA SHERRA

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OBJECTIVE

Machine Learning Engineer with 4+ years of experience, skilled in developing scalable data pipelines and leveraging Machine Learning models to extract insights and solve complex, real-world challenges

TECHNICAL SKILLS

Programming Languages: Python ◦ SQL ◦ JavaScript

Data Science Tools: Pandas ◦ Scikit-learn

Pipeline Tools: Airflow ◦ MLflow

Visualization: Bokeh ◦ Matplotlib ◦ Tableau

EDUCATION

SAN JOSE STATE UNIVERSITY

MS – Software Engineering, Specialization in Data Science

San Jose, CA
Sep 2022 – May 2024

XAVIER INSTITUTE OF MANAGEMENT AND ENTREPRENEURSHIP

MBA – Operations

Bangalore, India
Jun 2015 – Apr 2017

ST JOSEPH ENGINEERING COLLEGE

Bachelor of Engineering – Department of Computer Science

Mangalore, India
Jun 2011 – May 2015

PROFESSIONAL EXPERIENCE

OFFERFIT

San Francisco, CA

Machine Learning Implementation Engineer

May 2024 – Present

- Collaborated with customer Analytics/BI teams on designing use cases and associated data pipelines
- Analyzed customer data patterns to tailor ML models, driving KPI improvements and contributing to revenue growth
- Built internal tools that reduced troubleshooting needs by enabling early detection and resolution through pre- and post-deployment data analysis
- Prepared technical presentations on solving model implementation challenges, data-driven use case optimization, and advancements in ML/Reinforcement Learning

Machine Learning Implementation Engineering Intern

May 2023 – Dec 2024

- Diagnosed failures by analyzing multiple client data sources and tracing upstream data inconsistencies
- Built custom scripts to compare internal and client-reported performance metrics, using layered queries to identify discrepancies and ensure data reliability post-pipeline setup

HONEYCOMB

San Mateo, CA

Full-stack Engineer

Aug 2021 – Jun 2022

- Developed a back-end micro-service in Python to create animations from media uploaded by users
- Created a dashboard with detailed information about media file items to improve project efficiency
- Designed a pipeline that converted application usage data into analytics to assess product performance

ENROUTE

Mangalore, India

Data Engineer

Dec 2018 – Dec 2019

- Created ETL data pipelines using python scripts to produce structured data from GPS and delivery logs
- Created visualizations using Bokeh for displaying trends and geo-spatial data

RELEVANT PROJECTS

AD-CAMPAIGN ASSISTANT

- Designed and developed an LLM pipeline that generates advertisements based on a user prompt
- Used Retrieval-Augmented Generation to enhance the reliability of the data from the LLM

SAFEDOSE

- Built an ML solution to identify substance abuse type based on demographic and medical data
- Implemented an ETL pipeline to transform input data into a feature set for a classification model
- Developed a multi-class classification model with an F1 score of 99% using sklearn

EXPLORE AND ANALYZE SAN FRANCISCO CRIME

- Designed an interactive visualization to explore causal variables of crime using Bokeh (Python)
- Presented insights regarding the effect of Time of day and Location on Crime