

Khimraj Suthar

Bengaluru, India khimrajsuthar@gmail.com +91-8290285519
linkedin.com/in/khimraj-suthar-20b7aa122 github.com/khimraj khimrajsuthar.com

EXPERIENCE

Software Engineer LLM

January 2024 - Present

Webb.ai

Remote, India

- Focusing on advancing the automation of troubleshooting processes for DevOps/SRE issues in cloud environments, leveraging expertise in deploying and optimizing LLM agents and RAG systems.
- Fine tuning LLMs to improve function call relevance, increasing accuracy from 78% to 89%.
- Reducing DevOps/SRE debugging time by 60% and cost by 50% through enhanced root cause analysis, recommendation steps, and incident resolution.

Software Engineer Machine Learning

June 2021 - November 2023

Ivy Homes

Bengaluru, India

- Steered the development of OCR, Entity Extraction, Document Classification, Text Clustering, internal Dashboards, Pricing/Valuation Model, and Liquidity Model.
- Achieved a significant reduction in property valuation model prediction error from 15% to 8% MdAPE.
- Built a LLM powered chatbot for real estate, automating responses for 90% of user queries when the support team is offline, improving customer support coverage.
- Implemented robust data pipelines and deployed the pricing model using Django, incorporated a VPN layer to secure internal dashboards access and protect sensitive data.

Machine Learning Intern

April 2021 - June 2021

Skillbee

Remote, India

- Created solutions for Job Recommendation and Relevance challenges.
- Enhanced CV relevance on the platform from 65% to 93% through deep learning-based document classification.

Software Development Engineer Intern

May 2020 - July 2020

Amazon

Remote, India

- Designed, developed, and deployed a responsive lender runbook website for Amazon Pay Later Service on AWS, reducing standard partner materials' preparation and exchange time by 80%.
- Won a 3-day hackathon with 30+ participants, and secured a full-time job offer.

SKILLS

Python, C, C++, SQL, Algorithms, Data Science, EDA, Machine Learning, Deep Learning, Generative AI, NLP, LLM, RAG, XGBoost, Computer Vision, TensorFlow, Keras, Scikit-Learn, Numpy, Pandas, Matplotlib, AWS, GCP, GitHub, Kubernetes, CI/CD, MLOps, Information Retrieval, Vector DB

PUBLICATIONS

- Khimraj, P. K. Shukla, A. Vijayvargiya, R. Kumar. **Human Activity Recognition using Accelerometer and Gyroscope Data from Smartphones**. *ICONC3*, 2020.
- Vijayvargiya A, Khimraj, Kumar R, Dey N. **Voting-based 1D CNN model for human lower limb activity recognition using sEMG signal**. *Phys Eng Sci Med*, 2021.

PROJECTS

LLM Multi-Agent based Stock Selection and Price Prediction Model

- Established a model for the India and US markets with daily, weekly, and monthly stock price predictions, including prediction confidence scores.
- Outperformed market index by 3% using fundamental, historical price, and news data.

EDUCATION

Bachelor of Technology - Computer Science and Engineering

August 2017 - June 2021

Malaviya National Institute of Technology (MNIT)

Jaipur, India

PROFESSIONAL COURSEWORK

Machine Learning, Mathematics for ML, Deep Learning Specialization, NLP Specialization, TensorFlow Specialization, Machine Learning in Production, Generative AI with Large Language Models, Trading Basics, Trading Algorithms, Advanced Trading Algorithms, Creating a Portfolio, ML for Trading Specialization

ACHIEVEMENT

- Rated 1993 on Codechef and 1766 on LeetCode.
- Secured 582/4700 rank in Round F and 608/6200 rank in Round H of Google Kick Start coding competition 2020.