

# Khimraj Suthar

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

## EXPERIENCE

---

### Software Engineer LLM

December 2023 - 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.