

SAKSHAM MISHRA

Full Stack ML/AI • React Native Developer • AI Researcher

Prayagraj, India

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AI Engineer & Full Stack Developer specializing in machine learning, model deployment, and scalable AI systems, React Native, and Blockchain. 3x Hackathon Winner, Finalists in many. Led AI projects achieving 70% efficiency gains. Expert in NLP, Computer Vision, MLOps, and Solidity & Rust.

Education

Madan Mohan Malviya University of Technology

Bachelor of Technology with Specialization in Data Science

September 2023 – Current

Gorakhpur, India

Experience

AI Engineer Intern

November 2024 – March 2025

DonEros

Remote

- Spearheaded the development of a generative AI-powered meeting insights application using advanced LLMs (Mistral, LLAMA, GPT) for topic modeling, NER, translation, and meeting minutes generation, boosting user meeting efficiency by 70%.
- Led MLOps & LLMops pipelines for continuous model retraining and optimization & Optimized LLMs for natural language queries with SQL integration using DuckDB, improving performance by 20%.
- Enhanced Large Language Models including LLaMA, Falcon, and Mistral with Parameter Efficient Fine-Tuning and LoRA, improving model accuracy on educational datasets by 15% and reducing inference latency by 10ms.

AI Engineer Intern

August 2024 – January 2025

Lead Developer

Remote

- Deployed a sentiment analysis model leveraging BERT for multilingual text data, increasing the accuracy of identifying negative customer feedback by 30% and flagging critical issues.
- Orchestrated the design and automation of data pipelines and model training workflows for semi-supervised learning, reducing deployment time by 35% and boosting training efficiency by 25% through integrated CI/CD processes.
- Spearheaded the migration of legacy SQL Server databases to PostgreSQL, resulting in a 25% improvement in data accessibility for the data science team, while also implementing Kaldi for advanced speech recognition tasks.

Projects

StockIO : Financial Application

GITHUB

Python, LSTM, BERT, financial APIs, React, TypeScript, Google Gemini Pro AI

- Engineered a stock market prediction model using LSTM for forecasting and BERT for sentiment analysis, achieving a Sharpe ratio of 3.0 indicating improved risk-adjusted returns exceeding market benchmarks.
- Deployed BERT for sentiment analysis on financial news, enhancing the accuracy of stock predictions by 15% and leading to improved investment decisions in volatile market conditions.

Smart Cataloging / ProductScan

GITHUB

React, Tailwind CSS, Flask, PyTorch, torchvision, OpenCV, Ultralytics, YOLO, Google Gemini API

- Created an AI-powered product recognition system using YOLOv11nano for product detection and Google Gemini for identification, automating cataloging from shelf images.
- Reduced manual cataloging time by 50%, processing 1,000+ images daily.

Technical Skills

Programming & AI: JavaScript (React.js 18.3, Node.js 18+), TypeScript 5.0, Python 3.9, MLOps, Neural Networks, OpenAI API SDK, LLMops, NLP, Computer Vision, Solidity, Rust, AWS Bedrock

Web & Mobile Development: React Native (Expo SDK 49), Next.js 14, WebRTC, Socket.io, REST/GraphQL APIs

Database & Infrastructure: MongoDB (Aggregation Pipeline), PostgreSQL 15, Redis Stack, AWS (S3, Lambda, Sage Maker), Prisma ORM

DevOps & Security: Docker, Kubernetes, CI/CD (Github Actions), JWT/OAuth2, HIPAA Compliance

Development Tools: Git (Trunk-based), Vercel, Firebase Admin SDK, Cloudinary, Monorepo (Turborepo)

UI/UX & Analytics: Tailwind CSS 3.0, Shadcn/UI, Recharts, WCAG 2.1 AA, Custom Design Systems

Certifications & Achievements

- Won 3 Hackathons and Finalists in Many, including having 4th position in BullnCode Hackathon at IIT Bombay Techfest and Code-Cubicle 2.0
- Taught Mobile Development to over 100 students in React Native Expo CLI, building a Splitwise app clone with AI integrations.