Suraj Sharma

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EXPERIENCE

Turing — Remote
Microsoft LLM · Python + JavaScript · — *Oct 2024 - Mar 2025*

- **RLHF - Training and Review:** Trained LLMs using RLHF across various domains like data science, web applications, and problem-solving, reviewed trainers' tasks, and optimized model responses. Served as secondary pod lead.
- **SFT - Prompt Engineering and Leadership:** Designed high-quality prompts and its responses, structured datasets, reviewed trainers' tasks, and led a pod for supervised fine-tuning.
- **LLM Evaluation - Model Breaking and Code Cleanup:** Created model-breaking prompts to test LLMs, refined hinting strategies for improved accuracy, and identified and fixed issues in code and failing test cases.

Impact Analytics — Bengaluru, India
Lead Software Engineer · PriceSmart and MarkSmart — *Dec 2021 - Oct 2023*

- **PriceSmart - Retail Price Optimization:** Led the development of a dynamic pricing tool using Python, NumPy, Pandas, FastAPI, PostgreSQL, and GCP, that enabled global retailers to optimize prices across regions by factoring in FX rates, local costs, and tax structures.
- **Event-Driven and Cloud Architecture:** Implemented an event-driven workflows using GCP Pub/Sub, Cloud Functions and Cloud Run to handle bulk price generation, asynchronous processing, and high-volume logging with efficiency.
- **Scalability and Performance Optimization:** Optimized bulk price generation, reduced DB lookups, and improved system efficiency.
- **Technical Leadership and Collaboration:** Led knowledge-sharing and mentoring sessions, streamlined requirement gathering with cross-functional teams, and enhanced system scalability with well-documented APIs and DB design.
- **Business Impact:** Improved pricing accuracy, reduced operational delays, and empowered retailers with data-driven pricing strategies, leading to increased revenue by 5% and pricing errors reduced by 90%

Impact Analytics — Bengaluru, India
Senior Software Engineer · MarkSmart and Image Attribute — *Nov 2019 - Nov 2021*

- **AI-Driven Markdown Optimization:** Developed an AI-powered markdown optimization system using Python, NumPy, Pandas, Django, and PostgreSQL, leveraging price elasticity modeling for optimal discount recommendations.
- **Full-Stack Development for Image Attribute:** Built an image attribute tool automating the extraction of image attributes for product cataloging using Python, Flask, SocketIO, ReactJS and PostgreSQL, enhancing data consistency, notifications and searchability.
- **Real-Time Notifications and Event-Driven Processing:** Optimized live markdown updates by replacing WebSockets with SSE, reducing overhead and improving scalability with a Pub/Sub-based architecture for real-time event processing and data synchronization
- **Advanced Reporting KPI Dashboards:** Designed SQL queries and materialized views for markdown summaries, historical comparisons, and KPI tracking, ensuring fast retrieval of large datasets across inventory and transactions.
- **Automated Data Pipelines Migration:** Developed Python-based ETL pipelines to migrate and transform data across BigQuery, Google Sheets, and PostgreSQL, integrating with Jenkins for scheduled data updates.
- **Business Impact:** Improved markdown efficiency, reduced pricing errors, and enhanced inventory turnover.

Tailorman — Bengaluru, India
Full Stack Engineer · Engineering — *Mar 2019 - Jul 2019*

- **Full Stack Development:** Developed frontend using React.js and Redux, backend with Express.js, and managed PostgreSQL database.
- **Cloud and Performance Optimization:** Integrated AWS S3, Lambda, and EC2 for scalability while improving SEO and page speed.

Kubric (now Mason) Bengaluru, India
Member of Technical Staff · Creative Tech *May 2018 - Dec 2018*

- **Code Editor Development**: Built a feature-rich code editor using Ace, integrating it with HTML Canvas and React.
- **UI Components and APIs**: Developed reusable UI components and APIs, enhancing user experience and maintainability.
- **Optimization and Bug Fixes**: Addressed performance issues and resolved critical bugs to improve application stability.

PROJECTS

Much Story - Scalable Storytelling Platform **July 2019 - Oct 2019**

Developed a full-stack web application using the MERN stack (MongoDB, Express.js, React, Node.js) with Server-Side Rendering (SSR) for improved SEO and performance. Integrated Slate.js for rich text editing, enabling users to create and manage stories with dynamic content. Optimized performance through code-splitting and lazy loading. Implemented JWT authentication for secure user access. Designed a responsive UI for seamless cross-device usage, ensuring scalability for future features like AI-powered recommendations and collaborative tools.

Pensheel - Full-Stack Web Application with Rich Text Editing **Sept 2017 - March 2018**

Built a MERN stack web app with a rich text editor for dynamic content creation. Implemented JWT authentication and MongoDB indexing for optimized performance. Designed for CMS, blogs, and collaboration, offering scalable solutions to improve workflow efficiency.

RECOGNITION

Employee of the Quarter, Impact Analytics, 05/2022

EDUCATION

Bangalore Institute of Technology Bengaluru, India
Bachelor of Computer Science and Engineering (B.E) *Aug 2013 - July 2017*

PROGRAMMING SKILLS

Languages: Python , JavaScript , Java **Technologies:** FastAPI , Django , Flask , ReactJS , Express

DATABASE SKILLS AND CLOUD COMPUTING

Databases: PostgreSQL , MySQL , MongoDB **Cloud:** GCP , AWS , Azure