

SAUMAY KILLA

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SKILLS

- **Languages:** JavaScript (ES6+), TypeScript, Python, C, C++, SQL
- **Frontend:** React.js, Next.js, Zustand, Tailwind CSS, Accessibility (WCAG), Responsive Design
- **Backend:** Node.js, Express.js, Flask, FastAPI, REST APIs, SSR
- **Database:** PostgreSQL, MySQL, MongoDB, Supabase
- **DevOps & Cloud:** AWS (Lambda, EC2, S3, Amplify, SQS), Docker, CI/CD (GitHub Actions)
- **AI & Automation:** LangChain, OpenAI API, Web Scraping (Playwright), Data Pipelines
- **Collaboration:** Git, GitHub, Jira, Figma, Notion, Postman

WORK EXPERIENCE

Humainority

Aug 2024 - Present

Founding Engineer

New York, United States

- Architected and launched a scalable AI-powered web platform from concept to deployment, serving **2,000+ early users** and enabling cross-team insights at scale.
- Designed the system architecture and AWS-based serverless infrastructure, **reducing infrastructure overhead by 40%** and cutting monthly operating costs by **~\$600**.
- Built a modular frontend with React and TypeScript that achieved **sub-200ms load times** and a **95+ Lighthouse performance score**.
- Developed Python serverless lambda microservices for secure data processing and third-party integrations, handling **50K+ API requests/month**.
- Implemented a CI/CD pipeline with GitHub Actions to automate testing and deployment, **reducing release cycles by 60%** and ensuring zero-downtime rollouts.

Wiz Freight

Apr 2022 - Jul 2023

Software Developer

Chennai, India

- Rebuilt the company's marketing website and landing pages in React, improving load speed by **40%** and contributing to a **15% increase in lead conversions**.
- Developed a reusable component library in React and Tailwind CSS, cutting frontend development time for new features by **30%**.
- Optimized Redux-based state management to eliminate redundant API calls, reducing network requests by **25%** and improving time-to-interactive by **1.2s**.
- Collaborated directly with the design and backend teams during Agile sprints to deliver production-ready features ahead of schedule, improving sprint velocity by **20%**.

HighRadius

Aug 2021 - Mar 2022

Machine Learning Intern

PAN India

- Built and tuned machine learning models to predict invoice clearance timelines, **increasing forecast accuracy by 16%** for enterprise finance clients.
- Automated generation of client-specific Excel reports using Python, cutting manual processing time by **40%+** across teams.
- Collaborated with data engineers to optimize feature pipelines, **reducing model training time by 25%**.

PROJECTS

Live Ticker Price Tracking

- Built a real-time trading dashboard using Playwright and Next.js to scrape and visualize live stock data; handled **multiple live updates** with seamless performance.

AI-Powered Sales Order PDF Extractor

- Created a FastAPI tool leveraging AI and text extraction to automate data entry from PDF sales orders, **cutting manual effort by 90%** and improving data accuracy by **25%**.

AI-Powered Segment Analysis Engine

- Developed a prompt-driven insight generator using LangChain and Gemini APIs that delivered **5x faster** business reporting.
- Integrated structured analysis of product, customer, and strategy data for rapid executive decision support.

EDUCATION

New York University

Aug 2023 - May 2025

Masters, Management & Systems, **GPA 3.69**

- **Coursework:** Quantitative Analysis, Database Design, Data Visualization, Web Technologies, Project Management

SRM Institute of Science & Technology

Jun 2018 - May 2022

Bachelors, Computer Science, **GPA 3.96**

- **Coursework:** Algorithms, Data Structures, Object-Oriented Design, Database Systems, Machine Learning