

RUDRAKSH AGARWAL

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PROFESSIONAL SUMMARY

Product engineer with 4 years of experience building full stack products, from backend services, REST APIs, event driven systems, ETL pipelines, and workflow orchestration to the agentic AI features and frontend that bring them to customers. Partners closely with product managers and customers to take ambiguous problems from scope to shipped products.

WORK EXPERIENCE

Software Engineer

Mar 2026 – Present

Faster Outcomes Inc

Remote, US

- Driving end-to-end development (frontend and backend) of a new **healthcare platform** built from scratch, partnering directly with product managers and customers to scope, design, and ship features for wellness clinics.
- Built an **agentic workflow** that generates patient assessments, using a **ReAct-style agent** that calls **MCP tools** over patient records to iteratively gather context before producing an assessment.
- Designed a **Temporal-based synchronization service** that ingests files and notes from **third-party legal/EHR systems** into the platform on a daily schedule or on demand; **10K+ files synced across 100+ active cases** to date.

Software Engineer

Oct 2020 – Jul 2024

Wipro Linecraft AI

Pune, India

- * **Led a team of 4 engineers**, coordinating backend delivery and release timelines across the product's core services.
- * Built a **real-time, event-driven loss-detection system** ingesting multi-logger streams arriving **every 500ms**, cutting manual supervisory monitoring time by **50%**.
- * Re-architected a **core ETL pipeline** in Python with Luigi ETL framework **reducing pipeline duration by 6x**.
- * Developed and launched an **automated email-reporting service** (Python, Node.js); weekly engagement with the core analytics platform rose **10%** after launch.
- * Owned development of the **Backend API layer** powering the company's **Manufacturing Analytics** product suite.
- * Set up a **Prometheus & Grafana** monitoring/alerting stack, cutting outage detection from **hours to under a minute** and surfacing **40% of issues** before customer impact.
- * **Decoupled and containerized 5 services** off IIS/PM2 into Docker, enabling a later **Kubernetes/AWS** migration.

Global Remote Mentorship Intern

May 2020 – Sep 2020

IBM

Remote, India

- * **Finetuned BERT on a technical corpus** using 3 techniques: MLM, NSP, and Sequential Question Generation.
- * Developed a **language model in PyTorch** by combining a **multilayered BERT-based span selection model** with an **Attention over Attention architecture-based model**, and trained the model on a GPU cluster.
- * Achieved an **F1 score of 57.7** on the TechQA dev set.

PERSONAL PROJECTS

- * **Dataset Curator:** A chat interface for applying natural-language transformations to datasets. Built with LangGraph, FastAPI, PgVector, OpenRouter. github.com/rudraksh97/DatasetCurator
- * **Job Application Drafter:** An agentic workflow that polls RSS job feeds and drafts a tailored application per listing. Built with LangChain, FastAPI, Browser Use (YC W25), OpenRouter. github.com/rudraksh97/AutoApply

SKILLS

Backend: Python, Node.js, FastAPI, Flask, Temporal, Luigi, MQTT

AI / LLM: LangChain, LangGraph, Browser Use

Cloud & DevOps: GCP, AWS, Firebase, Docker, Prometheus, Grafana

Databases: PostgreSQL, Firestore, Redis, PgVector, MSSQL

EDUCATION

State University Of New York at Buffalo

New York, USA

Master of Science, Computer Science (Systems Track)

Aug 2024 – Dec 2025

Indian Institute Of Technology Delhi

New Delhi, India

Bachelor of Technology, Engineering Physics

Jul 2016 – Jul 2020