

# PRAKHAR GUPTA

[prakharg97@gmail.com](mailto:prakharg97@gmail.com) | [linkedin.com/in/prkhrgpt](https://www.linkedin.com/in/prkhrgpt) | [github.com/prakharg97](https://github.com/prakharg97) | [software.design/ing](https://www.software.design/ing) | +91-9079671652

## EXPERIENCE

### DeleteMe

Jul 2024 – Aug 2025

Software Development Engineer II

Bangalore, India

- Developed a large-scale web scraping and automation system in **Node.js (Puppeteer/Playwright)** to process daily crawls and opt-out requests across 1,000+ data broker sites, handling captchas, multi-step forms, and verification flows. Increased throughput to **50K+** removals per month
- Mentored** 3 engineers, onboarding them to systems and processes until fully productive.
- Optimized platform for high-volume, detection-resistant web automation by adding smart IP rotation, stealth browsing, automated captcha solving, and browser fingerprint masking.

### ColdMessageAI

Oct 2022 – Mar 2024

Founder

Gurugram, India

- Built an app which automates sales prospecting powered by **LLMs**. Used **Typescript, Node.js, Prisma** for backend, **React, Next.js** for frontend and **Docker, Terraform, AWS, Github Actions** for Infra.
- Built Chrome extensions to incorporate viral loops into the service. Reached 3000 DAU (Daily Active Users).

### Amazon

May 2021 – Oct 2022

Software Development Engineer

Hyderabad, India

- Assisted in developing an employee support platform from the ground up, using **React** for front-end design, integrating backend APIs with **Java Spring**, and utilizing **AWS DynamoDB** for robust data storage. This platform is currently used by all Amazon employees.
- Worked with team to increase tax matching workflow speed by 15x by adding client-side **AWS ElastiCaches**, creating notifier systems using **AWS Lambda** and optimizing **AWS Step Functions** and **AWS S3** Queries.
- Planned and proposed high and low level designs of a new initiative, **communicated** best solutions and outlined detailed steps for incremental implementation of the project.
- Improved **CI/CD** Infrastructure of existing micro-services. Incorporated multiple steps in the pipeline to ensure security and quality control, including blocking the pipeline in case of security risks and requiring multiple approvals before deploying to production.

### OYO

Jan 2020 – May 2021

Software Development Engineer

Gurugram, India

- Implemented the **LambdaRank** Research Paper from scratch using **Python** and **LightGBM** to demonstrate the effectiveness of an improved ranking algorithm. This led to **15%** increase of bookings in the app.
- Processed **100TB+** of big data using **AWS EMR** and **PySpark** to create cleaned dataset. Built **ML models** on this data, tested and deployed them to the OYO app. Resulted in an approximate increase of **\$20M** in revenue per year.
- Built ETL data pipeline for various new features which helped in increasing performance of models. Also created an end-to-end workflow for new features to be calculated in real time.
- Took ownership of building separate ML models for New Users. **Led and mentored** 2 SDE interns on this project. This project reduced customer churn rate by upto **5%**.
- Created city clusters using **Python** and **Scikit-learn**. These clusters were used to divide cities into segments on which models were trained and launched.
- Built a backend service using **SpringBoot** and **Flask** to manage model configurations for ranking platform.

## EDUCATION

### The LNM Institute of Information Technology

Jaipur, India

B.Tech in Computer Science and Engineering

2016 – 2020

Relevant Coursework - Data Structures & Algorithms, Object Oriented Programming, Operating Systems, Database Management System, Artificial Intelligence, Data Science

## TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript, SQL

**Frameworks:** React, Next.js, Node.js, Flask, Nest.js

**Databases:** PostgreSQL, Prisma, Redis, ElasticSearch, MySQL, DynamoDB

**Devops:** Docker, Terraform

**Misc:** Git, AWS