PRAKHAR GUPTA

prakhar897@gmail.com | linkedin.com/in/prakhar897 | github.com/prakhar897 | prakgupta.com

EXPERIENCE

ColdMessage AI   Nov 2022 – Present
Founder   *Gurugram, India*
- Built an app which automates sales prospecting using **React** and **Node.js** powered by **LLMs**.
- 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.
- Increased Tax matching workflow speed by 15x from 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, documented 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   Aug 2020 – May 2021
Machine Learning 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 End to End Workflow for new features to be calculated in real time which can be used in models.
- Took Ownership to build separate ML models for New Users. **Led and mentored** 2 SDE interns on this project. This project reduced customer churn rate by upto **5%**.

OYO   Jan 2020 – Aug 2020
Machine Learning Engineer Intern   *Gurugram, India*
- 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   *Aug 2016 – Aug 2020*
Relevant Coursework - Data Structures & Algorithms, Object Oriented Programming, Operating Systems, Database Management System, Artificial Intelligence, Data Science

PROJECTS

NodeSaaS   June 2019 – July 2019
- Created an open source Saas boilerplate using **Node.js, Express, EJS and MongoDB** . Features include authentication, subscriptions, logging, admin panel etc. People can now build on top of this for free.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, SQL
Frameworks: React, Redux, Node.js, Flask
Databases: MongoDB, Redis, ElasticSearch, MySQL, DynamoDB, PostgreSQL
Misc: Git, AWS