

# ANJAY GOEL

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## Education

Indian Institute of Technology Kharagpur

Aug 2018 – May 2023

Bachelors and Masters In Economics

CGPA: 8.61/10

## Technical Skills

**Languages:** Fluent in Python, Kotlin/Java, TypeScript, HTML/CSS, C/C++, SQL. Familiar with Go, Javascript

**Technologies/Frameworks:** Django, Dropwizard, FastAPI, Springboot, Docker, Kubernetes, Spark, React, Flutter, Bash, Git/GitHub, Linux/Shell, Azure, AWS, Redis, Firebase, Figma

## Work Experience

Software Engineer | Dashtoon

May 2023 – Present

- Developed **microservices** and reduced API latency from **2s to under 500ms** through optimizations such as caching, async processing & migrating to a multi-region architecture
- Designed a **notification system** using FCM to boost user engagement & retention, handling over **500k+ daily PNs** resulting in **4% increase in DAU** from notifications
- Integrated in-app purchases and subscriptions via Google Play and App Store in the app and developed a robust **payment service** successfully processing over **15K transactions per month**
- Implemented a hybrid **recommendation system** utilizing user activity and an extensive content taxonomy, incorporating features like A/B testing and explore-exploit, resulting in a **1.3% increase in CTR**
- Built an **A/B Testing framework** using Flagsmith and conducted various experiments to validate hypotheses and add features aimed at improving key metrics like retention, conversion rates, and ARPU
- Setup a data warehouse using BigQuery, replicating PostgreSQL databases, and integrating data pipelines from platforms like AppsFlyer and Mixpanel for centralized data aggregation and near real-time analytics
- Optimized CI/CD pipelines using self-hosted runners on GitHub Actions for Android and iOS platforms, reducing app build time from **40 minutes to 9 minutes**, thereby streamlining the release cycle
- Developed an internal CMS platform, enabling creators to schedule releases, run thumbnail experiments, change in-app content placement, and analyze performance metrics to allow data-driven decisions
- Created an end-to-end testing framework using **Appium** to ensure app stability and deliver a consistent user experience across platforms, achieving **85% coverage** of critical user flows

## Internships

Data Science Intern | Udaan

May 2022 – Jan 2023

- Developed an ML-powered **observability platform** to monitor KPIs across the organisation, bringing MTTD to under **5 minutes**
- Created a ML pipeline for performing **anomaly detection** and **root-cause analysis** on KPIs using models like ARIMA & Prophet
- Built a backend in Kotlin, utilising frameworks such as dropwizard & guice, and designed a user-friendly dashboard using React
- Utilised various tools such as Spark/Databricks to process large time-series datasets, and Kubernetes to deploy the ML pipelines

Software Development Intern | Terra Economics and Analytics Lab

Apr 2021 – Jun 2021

- Wrote **ETL Pipelines** using Python to collect real-estate data from various portals, increasing the coverage by 8 Indian districts
- Utilised libraries such as tesseract, pdfminer for text extraction, and indic-transliteration for transliteration of regional languages
- Deployed and configured instances of OpenStreetMap, nominatam, and mapnik, that were vital for handling geospatial data
- Created a wrapper for OpenStreetMap API, parsing various other formats including WKT and GeoJSON to assist in data ingestion

Software Development Intern | Department of CSE, IIT Bombay

Apr 2020 – Jun 2020

- Contributed to the development of an online encyclopedia of temples for a non-profit organization with over 2K+ active contributors
- Independently built an native android app using popular android frameworks such as firebase, androidx, retrofit, and room-orm
- Integrated search and filter capabilities using full-text search in a PostgreSQL database, and handled spatial query using PostGIS