

Kaustav Ghosh

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EDUCATION

Manipal Institute of Technology

B. TECH COMPUTER SCIENCE & ENGINEERING (W/ COMPUTATIONAL INTELLIGENCE)

Manipal, IN | 2018 – 2022

CGPA: 8.57/10

WORK EXPERIENCE

COUCHBASE | SOFTWARE ENGINEER

Bengaluru, IN | Jan 2023 – Present

- Published enterprise connectors for Couchbase Capella and Columnar on the **GCP Looker Studio** marketplace, enabling data visualization and analytics for cloud-native solutions
- Built and merged Couchbase source/destination connectors for the **Airbyte** open-source ELT platform, facilitating automated data pipeline workflows and enterprise synchronization
- Engineered quickstart apps in **TypeScript/Next.js**, **Java/Spring Boot**, **Ruby on Rails**, and **PHP/Laravel** with **Docker**, **Swagger/OpenAPI**, and **GitHub Actions** CI/CD
- Built schema inference algorithms, a **React** frontend for CSV/JSON importing, **MongoDB-to-Couchbase migration tools**, and scope-collection management in the **IntelliJ IDEA** plugin
- Expanded **React-TypeScript** test suites for the Capella cloud frontend, elevating code coverage from 60% to over 90% across multiple modules

HEVO DATA | SDE INTERN – SAAS INTEGRATIONS

Bengaluru, IN | Jan 2022 – Jun 2022

- Designed and implemented an end-to-end **REST API connector** and **SDK** for Braze (SaaS), deciding source objects, polling strategies, building SDK auth, models, **Feign client**, and ETL services with socket error handling
- Resolved production bugs on connectors tracked by **Sentry/Coralogix** and triaged **BigQuery** and **Marketo** on-call issues
- Authored unit tests for Outbrain connector using **JUnit 5** and **Mockito**, subject to code review

SAMSUNG INDIA | SDE INTERN – IOT PRODUCTS & ANALYTICS

Bengaluru, IN | Jun 2021 – Jul 2021

- Designed and implemented **MQTT bridge** functionality in Moquette, an open-source lightweight **Java** MQTT broker
- Implemented a **socket programming system** for MQTT message transfer and a **lexical analyzer** to parse bridge configuration

SAMSUNG PRISM | MACHINE LEARNING INTERN

Bengaluru, IN | Oct 2020 – Mar 2021

- Developed ML models with feature engineering to predict KPI values for eNodeB base stations and built a ranking system for network restoration during failures

PROJECTS

FAMILIARISE -- CONSULTING WEB APP

NEXT.JS, FLUTTER, PRISMA, SUPABASE, REDIS | 2023 – PRESENT

- Built a consulting web app with **Next.js** and **Flutter** mobile, using **Prisma ORM**, **Supabase**, and **Redis** with role-based dashboards for consultants and clients
- Integrated **Razorpay** payments, **Stream** video, **Novu** notifications, booking algorithms, and migrated auth from NextAuth v4 to **BetterAuth** (237 PRs)

PRISMA FLUTTER CONNECTOR

DART, PRISMA

- Built a type-safe **Dart** client generator from **Prisma** schema, enabling Flutter apps to interface with Prisma-managed databases

MICROSOFT STUDENT PARTNERS -- ML BOOTCAMP

PYTHON, XGBOOST

- Led a team of 10 to build an ML pipeline for used car price prediction through EDA, feature engineering, and **XGBoost** regression

SKILLS

Languages: TypeScript, Java, Python, Dart, Ruby, PHP, SQL, Bash

Frameworks: React, Next.js, Spring Boot, Rails, Laravel, Flutter, Prisma, Express.js

Databases & Infra: Couchbase, MongoDB, PostgreSQL, Supabase, Redis, Docker, GitHub Actions

Tools: Git, GCP, AWS, Swagger/OpenAPI, IntelliJ IDEA, Postman, Jira, JUnit, Mockito, Airbyte