

ANKAN PAL

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EDUCATION

Institute of Engineering and Management

Bachelor of Technology in Computer Science, Secured an aggregate of 9.51 CGPA

Kolkata, India

Aug. 2019 – July 2023

EXPERIENCE

Chessever | *Flask, PostgreSQL, Nodejs, Nextjs, Chessops*

Dec 2025 – May 2026

Founding Software Engineer

Remote

- Built Chessever's broadcasting platform — **chunked HTTP streaming**, a **hash-based sync worker** polling live PGN of tournaments, a **real-time event bus** serving Swiss, Round-robin, Knockout and Team formats with **zero frontend polling**, and overhauled **live game streaming** fixing **state sync** for **position, clock** and **eval** at scale.
- Engineered a **rating-based pre-population** strategy with a **name-matching algorithm** to enrich historical player records across the TWIC database and built the complete **FIDE tournament calendar** (2022–present).

Drivers4me | *Python, Flask, MySQL, MongoDB, Cassandra, Redis, Socket.io*

July 2024 – Present

Software Development Engineer

Kolkata, India

- Developed D4M's **affiliate onboarding** product initiating the **B2B business** with **parent and child affiliates** with **Redis write-through caching** and **DB-backed cache rehydration** for low-latency onboarding retrieval.
- Owned **SMS/OTP** infrastructure via **Gupshup** with **Redis-based rate limiting** and built **B2C/B2B claim insurance** flows with **Reopen, Reject** and **multi-revision versioning**, each with a **customized deadline**.
- Architected **Customer & Driver chat support & ticketing system** with **admin assignment/invite** workflows; **individual, region, and department transfer** flows; and AI features — **rectify, translate, and suggestions**.

DecoverAI | *Python, Fastapi, PostgreSQL, AWS, Elasticsearch*

Mar 2024 – June 2024

Software Development Engineer

Remote

- Created an **AWS Lambda** function to create **cognito user** for the **signup and invite** flows for users being invited to the same **organization**, wrote **integration tests** for search having a **cosine similarity** of **60 percent**
- Built the **file and email analytics** APIs for getting **file summaries and email filters** for the **Analytics dashboard** as well as implemented production based sharing of files between users of **same organization**
- Implemented **ProductionACL** for granting different **access permissions** to different resources like **files and emails** as well as implemented APIS for **assigning tags** to various files and filtering accordingly

PROJECTS

Virtual Study Group 🗨 | *React, Nodejs, Socket.IO, Agora RTC, NeonDB, Redis, Gemini AI*

2025

- Developed a **real-time collaborative study platform** with **video conferencing, group chats, DMs, notifications**, and an **interactive AI whiteboard**. Integrated **AI doubt solving, semantic search** over past study sessions, **AI-generated summaries, Study FM radio, top weekly podcasts**, and **live news** feeds.

ACHIEVEMENTS

- Solved **1400+** problems on Data Structures and Algorithms at **Leetcode**
- Got a rank of **55** out of **10000** in IEMCO Coding Olympiad.
- Got a rank of **32** out of **5500** in the open source program, Girlsript Summer of Code 2021
- Got a rank of **78** out of **6000** in **Local Hack Day Share**, an **MLH** hackathon.

SKILLS

- Data Structures and Algorithms (Programming Languages)** : C, C++, Java, Python
- Web Development** : JavaScript, React.js, Node.js, TypeScript, CSS, HTML, MongoDB, PostgreSQL, AWS
- Developer Tools and Technologies** : GitHub, Docker, Firebase, Git, Bitbucket, VS Code
- Computer Science Fundamentals** : Operating Systems, Database Management Systems, OOPs

MENTORSHIP & TEACHING

- Amazon Future Engineer (Navgurukul)** : DSA Instructor for the inaugural AFE cohort — 68 female students from underserved backgrounds across India received direct Amazon internship opportunities.
- Algozenith, upGrad, Apna College, Wiingy, Topmate, OnlineStudy4u** : DSA, interview prep, and 1:1 tutoring for students of UNSW, University of Toronto, and University of Waterloo; educational channel with **760K subscribers**.