Arnab Chatterjee

linkedIn | github | portfolio | blogs |

EDUCATION

Asansol Engineering College   Asansol, West Bengal
BTech in Computer Science(AIML)   *June 2022 – Jun 2026*

EXPERIENCE

SDE Intern   July 2024 – September 2024
Peakflo, YCombinator-W22   *Remote, Singapore*
- Led the end-to-end "1000 user optimisation" epic improving product performance by 90% through API development, queueing and migration of database and endpoints
- Optimized Firebase functions with chunking for memory-efficient execution, ensuring reliable data updates
- Worked on bulk IRP scheduling to certify user data to Master GST, streamlining the certification process
- Led the development and publishing of landing pages, maintaining the process for multilingual support, boosting product visibility and user engagement

Backend Developer Intern   March 2023 – June 2023
DubDub.ai   *Remote, Bangalore*
- Developed and integrated a RESTful API with YouTube's API for seamless video and playlist management. Implemented an export feature to streamline video transfer from S3 to YouTube, including subtitle synchronization
- Worked with AWS services such as Lambdas, ECS, Fargate, S3, SNS, and Docker for scalable and efficient deployments. Built an abstracted module for handling refresh and access tokens, ensuring secure authentication with YouTube's API

Freelance Full Stack Developer & IT Consultant   August 2022 – May 2022
MediMyth   *Remote, Durgapur*
- **Frontend** - Build reusable components, pages, multistep forms, added splitting techniques for faster loading and built an admin panel using appsmith.
- **Backend** - Build the appointment and scheduling system with security, OTP verification, notification system, and search engine, connected s3 bucket. Containerised with docker and deployed on EC2
- Used Celery and Redis for asynchronous notification delivery

PROJECTS

PickPalette | *JavaScript, Express.js, React, Supabase, Mongodb, Google Apps Script*
- Launched a SaaS tool for designers on **ProductHunt** with **60+ active users**. Developed a platform for picking colors from 1000+ palettes, generating palettes from images, and built a data scraper integrated with a vector database and sentiment-based user feedback
- Implemented color theory algorithms, optimistic UI, auto-saving, and a custom action scheduler module, enhancing **performance and consisitency by 30%**. Leveraged edge functions for efficient application layer

FoodzNation | *ReactNative, Sanity.io, Express.js, MongoDB*
- Implemented a CMS along with filters to retrieve different categories of restaurants, offers, and foods
- Integrated maps for displaying restaurant locations, along with a basket feature for placing orders and order history tracking

TECHNICAL SKILLS

Languages: Python, SQL , JavaScript,TypeScript, HTML/CSS, Java,Solidity
Web: Flask, Celery, Django, FastAPI, React js , Node, Nextjs , Express, Tailwind, Sanity
Mobile and Desktop: React Native , Tkinter
Developer Tools: Git, Docker, AWS , Github
Database: MySQL,Postgresql, MongoDB,Redis

ACHIEVEMENTS AWARDS

- **Smart India Hackathon 2023 runnersup** beating 400+ teams under our ps id from all over India and a single team from West Bengal. Worked on blockchain based e-vault under Ministry of Law
- **Secured Top 15 position** in IIT's Kalyani **Winter of Code 3.0**(open source event) with more than 2500+ participants