Ankit Verma

📞 +91 8700234342 | ✉ ankitvermamat@gmail.com | 🔗 LinkedIn | 🐙 Github | 🎓 GGSIPU, B.Tech-CSE'20

EXPERIENCE

Tripadvisor - Software Engineer 2
Remote, India   May 2023 - Present

- Designed and implemented the Auto Selection of Cover Photos feature, which uses a machine learning model to assign a score and select the prospectively most engaging photo as an album cover for **100K+** photo albums across Tripadvisor hotel pages. Awarded **Tripadvisor Engineering Hero Award** for the accomplishment.
- Upgraded the billing system to generate invoices for ad spends to all **20K+** Tripadvisor hotel partners on the 1st day of each month. Enhanced the daily spend limit of campaigns dynamically to increase annual revenue margin by $\sim$ **\$2M** ($\sim$ 2% for the product).
- Adhering to the organizational timeline for data center decommissioning, re-architected the on-prem Jobs architecture and **migrated 100+ jobs** from legacy to a modernized architecture on **AWS**.

Google - Software Engineer
Bengaluru, India   May 2022 - May 2023

- Worked as a part of YouTube Ads Autocreative team, helping advertisers generate short, engaging video ads.
- Introduced a distributed messaging queue to automate the creation of short bumper ads (**<6 seconds**) and integrated with ML models for video analysis and generation systems.
- Designed a system to recommend bumper ads to advertisers, making it easier to include them in campaigns.

ShareChat - Software Engineer
Bengaluru, India   Jan 2021 - May 2022

- Optimized engagement metrics processing, reducing computation time from **10 minutes** to **<20 seconds**. Received the **Rookie Rockstar Award** for this achievement.
- Designed feed ranking models, integrated a rule-based system, and optimized Redis caching, reducing feed computation time by **80%**.
- Developed APIs for App Feed to support multiple content feeds, enabling category-specific access for user.

SKILLS

Java, C++, Python, Typescript, Reactjs, Nextjs, Node.js, MongoDB, PostgreSQL, Snowflake, Redis, RabbitMq, Grafana, Gradle, Docker, Springboot, Git, AWS, llama, LLM, AI, openAI API, langchain, NLP, AI agents

Competitive programming global rating & ranks - Codeforces : Expert | Best Rating - 1645 — CodeChef: 5 star (2049) | Best Ranks - 123 — HackerRank: 2144 | Best Rank - 141

PROJECTS

AI powered interview simulator (Link)

- Developed an AI-driven platform that simulates real-time mock interviews, provides coding practice, and delivers personalized feedback using models like Llama and DeepSeek.

Collab - Web App (Link)

- A web application which enables users to host watch parties, allowing them to watch YouTube videos and listen to Spotify songs with others in real time.

ACHIEVEMENTS

- Cleared the online preliminary round and **qualified for ACM ICPC Regionals 2019-2020** as one of the top teams for the onsite round.
- **Facebook Hackercup, Google kickstart, TCS Codevita'2019** - Qualified for Round 2 of Hackercup' 18. Secured global rank 325th, 321st in Google Kickstart'18 an 2019. Secured 6th global rank in TCS codevita