CHETAN KHANNA

Delhi, India

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Education

SGTB Khalsa College   Dec. 2018 – Dec 2021
Computer Science   *Delhi University*

Experience

Innotrail   **Mar 2022 - Present**
Lead Software Engineer   *Remote*

- Architected and managed cloud-based applications on AWS, guaranteeing high scalability and security; maintained 99.9% uptime for multiple clients, driving a large growth in user engagement
- Created a platform where teacher can **generate AI Question** and create tests for students using them. Also employed LangChain to streamline AI development, building custom memory modules, agent chains, and prompt templates for complex tasks such as creating AI chatbots for thousands of students
- Developed RESTful APIs with front-end in VueJs and backend in NodeJs, Python. Utilized 50+ lambda functions and private servers behind load balancers to efficiently serve a large user base
- Integrated applications with various databases such as Postgres, MongoDB and DynamoDB for data storage and retrieval and Implemented CI/CD pipelines using Git, and Docker, enabling continuous integration and deployment,resulting in regular updates and a 50% increase in B2B and B2C user base.
- Utilized AWS services including EC2, Lambda, Cloudfront and S3 for application hosting, serverless computing, and file storage. Integrated discourse for student forum, **zoom** and **rasa** in the system. Worked on video encoding using AWS services to provide seamless video experience to users
- Authored high-quality scribble functionality for adding detailed notes across multiple quizzes; boosted user-generated content by 60% and reduced note-taking time by 50%
- Worked on VMC Student applications including web app, mobile app and doubt forum with more **than 50k users**

Yoro   **Dec 2021 - Mar 2022**
Software Developer   *Delhi*

- Worked on a mobile application. It's a B2C platform on iOS, Android and Web, that brings news consumers and curators together, building engagement and value between them using interactive content, gamification, discovery, communities, AI and more.
- Created image editor to create instagram like posts for news articles.
- Designed story view and a messaging system to share news articles between multiple users including a feed of news articles with swiping feature
- Implemented token currency in the app to increase user engagement

Projects

Social Media Marketing Bot (Django) | *Python, Youtube, Twitter*   **January 2021**

- Search youtube videos according to a particular keyword and then the bot will comment the given text on all those videos. You can schedule your facebook posts using this bot at any time. You can schedule tweets, reply to a tweet by its ID and reply to all the tweets related to the given keyword.

Coden Live | *Python, Django*, JS   **November 2020**

- Platform for tutors to sell courses to students
- It uses django as a backend, and postgres as database, deployed on an Ubuntu server on digital ocean

Covid-19 Tracker | *Flutter, Dart*   **October 2020**

- It is Flutter Application that tracks Covid-19 cases around the world and visualizes them.

Technical Skills

Languages: Python, JavaScript,Typescript, Dart, HTML/CSS, SQL
Developer Tools: AWS, VS Code, Google Cloud Platform, Android Studio
Technologies/Frameworks: VueJs, NodeJs, Django, Flask, GitHub, FastAPI, Github Actions, Pandas
Databases: DynamoDB, MongoDB, PostgresSQL, Influx
AI Tools: Langchain, Gemini, OpenAI, Claude