Govind Pandey

Portfolio

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EDUCATION

Dayananda Sagar College Of Engineering　　　　　　　　　　　　**CGPA: 8.95**

Bachelor of Engineering　　　　　　　　　　　　　　　　　　　　*2023 - 2027*

TECHNICAL SKILLS

Languages: TypeScript, Golang, Python, JavaScript, Java, C++

Technologies/Frameworks: React, Next.js, Express, RestAPI, Go-Cobra (CLI)

AI/ML: LLM APIs, LangChain, LangGraph, Embeddings, Vector Databases (Pinecone)

Databases/Storage: PostgreSQL (Prisma), MongoDB, Firebase, AWS S3, Cloudinary

Dev & Deployment: Docker, Git, NeoVim, Tmux, AWS, Vercel, Render

VOLUNTEERING

Point Blank (Coding Club)　　　　　　　　　　　　**November 2024 - Present**

Fullstack Engineer: Nextjs, Firebase, Mongo, Cloudinary, Zustand　　　　　　*Member*

- Integrated **MongoDB** and **Cloudinary** to enable secure photo uploads for members and leads via admin login.
- Implemented **Infisical** for secret management, enhancing security and protecting sensitive data.

PROJECTS

Second Brain | *Typescript, OpenAi API, Youtube/Twitter API, Embedings, Vector DB* | Github

- Developed an **AI-powered knowledge management system** that enables **semantic search** across user-saved content from YouTube, Twitter (X), and web articles using **embeddings** and a **Vector database**.
- Built a **web scraping pipeline** utilizing **YouTube and Twitter APIs** to extract, preprocess, and store multimedia data efficiently.
- Integrated **OpenAI API** to enhance **natural language search**, enabling users to query their saved content conversationally.
- Designed a **scalable backend architecture** in **TypeScript**, ensuring efficient **data ingestion, retrieval, and storage** with an event-driven approach.

Ghstmail.me | *VPS, Node.js, PostgreSQL, MongoDB, Chrome Extension* | Github | Live Link

- Developed a **privacy-focused email alias service** that allows users to **generate dummy email** addresses to protect their original email.
- Implemented a backend system with **PostgreSQL** to store and manage email aliases while using MongoDB for user authentication and dashboard management.
- Built a **Chrome extension** enabling users to create and manage dummy emails seamlessly from any website.
- Designed an email forwarding mechanism using **Postfix to route emails from dummy addresses** to the original inbox, ensuring security and anonymity.
- Provided a user-friendly dashboard for managing aliases, allowing users to delete dummy emails if they suspect spam or a data breach.

Abhaya (team project) | *Android, JavaScript, Node.js, Express* | Github

- Developed a **women's safety platform** for **SIH 2023**, enabling **real-time location data collection** and **analysis** to identify high-risk areas.
- Built an **SOS alert system** that sends emergency reports to a **police dashboard**, ensuring rapid response.
- Generated **heat maps** based on reported incidents to provide **data-driven safety insights** for users and authorities.

Ascend (team project) | *LangChain, Nextjs* | Github

- Designed an **AI-powered roadmap generator** that creates a **customized learning plan** based on user-defined **goals, outcomes, and timelines**.
- Utilized **Retrieval-Augmented Generation (RAG)** to ensure **accurate, structured, and adaptive roadmap generation** for skill development.
- Provided users with a step-by-step learning **pathway**, helping them stay on track with their progress.

CLI Todo App | *Golang, Cobra, Deepseek Api* | Github

- Built a **lightweight, terminal-based To-Do app** for quick and efficient **task management** directly from the command line.
- Implemented features like **task addition, deletion, completion tracking, data persistence, automatic schedule generation** using **Deepseek** API enhancing usability for developers
- Designed a **minimalistic yet powerful CLI interface** for seamless task organization and productivity.