Govind Pandey

Portfolio
Github: govindup63
Linktree

Email: govindup63@gmail.com
LinkedIn
Mobile: +91-935-104-4614

EDUCATION

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

Bachelor of Engineering   *2023 - 2027*

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, C++

Technologies/Frameworks: React, Next.js, Express, RestAPI

AI/ML: Model Context Protocol (MCP), Embeddings, Vector Databases (Pinecone)

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

DevOps/Deployment: Kubernetes, Docker, Terraform, GitHub Actions (ci/cd), AWS EC2, Vercel, Render

EXPERIENCE

Remotestar   **March 2025 – Present**

Backend and DevOps Intern — Node.js, MongoDB, Pinecone, AWS, Terraform   *Remote*

- Built and deployed the entire backend architecture for a semantic search platform using **Node.js**, **Express**, and **MongoDB**.
- Designed and implemented a scalable **embedding-based search API** leveraging **Pinecone** vector database for similarity search across unstructured resume data.
- Automated infrastructure provisioning and deployment using **Terraform**, and deployed microservices to **AWS ECS** using **ECR**, **EC2** and **Fargate**.

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

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

- Created a **privacy-first email alias service** that lets users **generate dummy emails** to protect their real addresses.
- Used **PostgreSQL** to manage aliases and **MongoDB** for user auth and dashboard operations.
- Built a **Chrome extension** for seamless dummy email creation and management on any site.
- Integrated **Postfix** for secure email forwarding from dummy addresses to original inboxes.
- Developed a dashboard for managing and deleting aliases to prevent spam or data breaches.

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

- Built an **AI-powered roadmap generator** that delivers a **custom learning plan** based on user-defined **goals, outcomes, and timelines**.
- Employed **Retrieval-Augmented Generation (RAG)** to ensure **accurate, structured, and adaptive** skill development roadmaps.

Dev.to MCP | *Node.js, Dev.to API, Model Context Protocol (MCP)* | Github

- Developed a tool that enables **direct publishing of articles to Dev.to** using the **Forem API**, integrated into an LLM-driven workflow.
- Leveraged the **Model Context Protocol (MCP)** to facilitate seamless communication between the LLM interface and Dev.to, simplifying the publishing process.
- Enhanced the efficiency of **content deployment** from model-generated outputs to live blogs with minimal manual intervention.

ACHIEVEMENTS

- Recipient of the **2025 Shubhra Kar Linux Foundation LiFT Scholarship**
- Placed **1st among 35 teams** in Technical Escape Room (CTF) – March 2025.