

Govind Pandey

[Portfolio](#)

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EDUCATION

Dayananda Sagar College Of Engineering

Bachelor of Engineering

CGPA: 8.95

2023 - 2027

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, C++

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

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

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

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

EXPERIENCE

Remotestar

March 2025 – Present

Backend and DevOps Intern — Node.js, MongoDB, Pinecone, Kubernetes, 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 with **Terraform** and deployed containerized microservices on **Kubernetes** using **DigitalOcean Kubernetes Service (DOKS)**.

VOLUNTEERING

Point Blank (Coding Club)

November 2024 – Present

DevOps Engineer — Kubernetes, Docker, Caddy, Nextjs, Firebase

Member

- Deployed and Managed PBCTF 4.0 using Kubernetes, with **Deployment** for CTfD and **StatefulSet** for MySQL, supporting 200+ participants.
- Set up reverse proxy and HTTPS using **Caddy** with automated TLS and rate limiting.

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

- Placed **2nd** at **HackmanV8 Hackathon** among 59 teams - November 2025
- Recipient of the **2025 Shubhra Kar Linux Foundation LiFT Scholarship**