

# Govind Pandey

[Portfolio](#)

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[Dev.to](#)

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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), Embeddings, Vector Databases (Pinecone)

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

**DevOps/Deployment:** Docker, Kubernetes, 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**.
- Followed REST API best practices and ensured reliability through proper error handling, testing, and logging.

## 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](#)

- 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.

**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.

**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.