

Pranav Kumar

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Career Objectives

Backend developer specializing in FastAPI and large language model (LLM) integration, with experience building scalable APIs, deploying AI systems, and delivering production-ready applications.

Education

Chandigarh University, Bachelor of Engineering (B.E.) in Computer Science Sept 2022 – May 2026

- Pursuing undergraduate studies with major in Computer Science

Devasthaly Vidyapeeth, Senior Secondary (Intermediate) 2020 – 2022

- Completed senior secondary education with specialization in Science (Physics, Chemistry, Mathematics).

Internship Experience

GradGuide | *LLM Developer Intern (Backend)* May 2025 – Aug 2025

- Developed a RAG-based chatbot API using **FastAPI**, enabling context-aware conversational responses.
- Built a recommendation engine that generated personalized outputs based on user profile details.
- Handled deployment and storage on **Google Cloud Platform (GCP)** for scalable hosting and data management.
- Designed and implemented backend services for the company's internal **CRM system**.

Projects

RAG Document Assistant RAG Document Assistant

- Developed a retrieval-augmented generation (RAG) system using FAISS and OpenAI GPT-3.5 to enable document-based question answering.
- Implemented semantic search pipelines and dynamic context retrieval across large datasets.
- Built a FastAPI backend for scalable and production-ready deployment.

AI-Powered Resume Builder AI Resume Builder

- Built a full-stack application using Next.js and OpenAI APIs to auto-generate personalized resumes.
- Integrated OAuth authentication via LinkedIn and GitHub to fetch user profiles dynamically.
- Enabled PDF export functionality with customizable resume templates.

Skills

Backend Development

Languages: Python, JavaScript (Node.js)

Frameworks: FastAPI, Flask

Databases: PostgreSQL, MongoDB

Deployment & Cloud: Docker, Git, CI/CD, AWS, GCP, Heroku

Tools: Postman, VS Code, GitHub

Soft Skills: Problem Solving skills , Communication , team collaboration

Extracurricular Activities

- **Smart India Hackathon (SIH) Finalist:** Developed front-end interface for innovative solution
- **Winner of BFCET 1.0 Hackathon:** Led UI/UX design and implementation