

I am a **backend-focused software engineer** with expertise in **scalable, high-performance services**, but also a strong proficiency in **full-stack development, artificial intelligence and web3**.

Skills and Languages

- Languages: TypeScript, Python, C++, Java
- Backend: NodeJS, Express, FastAPI
- Databases: MongoDB, Postgres
- Frontend: ReactJS, NextJS, React Native, Vite, JavaScript
- Artificial Intelligence: Deep Learning Models, NLP
- Others: Linux, Git, GitHub, Azure, Firebase

Education

- **Btech. Computer Science & Engineering**, Bhagwan Parshuram Institute of Technology, Delhi **2024–2028 (ongoing)**
- **Certifications:** [Full Stack Developer Certificate](#) – Udemy, 2025

Projects

- **AI Quiz Clash**
 - Built a web-based quiz platform for solo or 1v1 matches with AI-generated questions on any user-input topic.
 - Enabled quizzes on virtually any subject—from trending to niche—using **React, Vite, JavaScript, Firebase** for auth and real-time sync, **Git** for version control, and **Gemini** for AI question generation.
 - [Deployed website](#)
- **MOSDAC-AI**
 - Developed an intelligent chatbot for MOSDAC (ISRO Hackathon) that delivers expert answers on satellite missions, weather, and oceanographic data using advanced AI after **scraping data** from the MOSDAC website.
 - Key features: Smart relevance-based search, AI agent capabilities, **natural language processing (NLP)**, extraction of FAQs and data products, interactive CLI, and real-time data statistics display.
 - Tech stack: Python, Google Gemini API, **Web scraping**, regex, **data structuring**, **AI agent**, NLP, BeautifulSoup4 and FastAPI.
 - [Deployed Website](#)
- **TASK FLOW**
 - Task Flow is a modern Kanban-style task management web app that enables users to organize, track, and update tasks in a visually interactive workflow.
 - Key features include user authentication, real-time task updates, drag-and-drop Kanban board, and persistent storage for tasks.
 - Tech stack: React, Vite, Tailwind CSS, Firebase (Auth, Firestore, Analytics), PostCSS, ESLint
 - [Deployed Website](#)
- **3-D SOLAR SYSTEM**
 - Interactive 3D Solar System simulation with realistic visuals and smooth controls.
 - Real-time planet orbits, info panels, customizable view options, and responsive UI.
 - Tech Stack Used: **Three.js**, CSS, and JavaScript.
 - [Deployed Website](#)

Interests

- Deeply exploring topics like neural networks, NLP, retrieval-augmented generation (RAG), and knowledge graphs—building a strong theoretical foundation before diving into hands-on ML/AI projects.