

Vidyansh Tripathi

Full Stack Developer

Aspiring Full-Stack Developer, Python Developer seeking opportunities to contribute to impactful projects, enhance technical expertise, and grow alongside a dynamic organization.

Contact

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Academic Details

- Bachelor of Technology (CSE)**
MMDU, Ambala
CGPA: 7.2

Soft Skills

Analytical | Collaborator | Leader | Adaptable

Technical Skills

- Programming Languages:**
JavaScript, Python, Go, Rust, Java, C
- Frontend:** React.js, Next.js, Tailwind
- Backend:** FastAPI, Django, Nodejs
- Database:** MongoDB, SQL, Redis
- Frameworks:**
React, Express, Django, FastAPI

Core Competencies

Data Structure and Algorithms

Software Development Life Cycle

Restful API

Debugging

Containerization

Cloud Platform (AWS)

Personal Details

Date of Birth: 5th August 2005
Languages Known: English, Hindi
Address: Ambala, Haryana

Profile Summary

- Full-Stack Developer specializing in the Python and MERN stack, with a strong focus on building scalable and user-centric web applications.
- Experienced in creating dynamic projects with seamless front-end and robust back-end functionality with the Integration of Cloud Services.
- Passionate about solving real-world problems and continuously enhancing technical expertise.
- Working professionals **achieved Posture improvement** with help of my **Smart Chair**.
- Experienced in building and deploying production-ready applications using Microservices Architecture with FastAPI, React, and AWS, ensuring scalability, performance, and seamless integration.

Academic Projects

EcoSnap: Smart Waste Management System

June 2022 – March 2024

Tools: React, Python, Google Maps API, SMTP, PostgreSQL, Docker, AWS

A web-based system for efficient garbage management, enabling users to report garbage issues with location and description, and garbage admins to take action via a dashboard.

Responsibilities:

- Implemented user authentication for two user types: Garbage Notifiers and Garbage Admins, with email-based verification and role-based permissions.
- Created a garbage admin dashboard featuring request management, map integration for location tracking, and a status update system with email notifications.
- Built a report submission feature for users to upload images, specify the location (longitude, latitude), and provide a description of garbage issues.
- Integrated Google Maps API to map locations dynamically and automate city detection based on geographic coordinates.
- Designed a robust backend architecture using Django and PostgreSQL for secure and scalable data management. [Source code](#)

Smart Home System

June 2022 – March 2024

Tools: React, Node, Docker, Arduino Programming

A device which sits inside a conventional switch board and makes normal appliance – Smart using IoT protocols.

Responsibilities:

- Designed and implemented the Web App for toggling lights, fans, AC, TV over web.
- Developed the backend in Node to send the API requests to IoT devices over MQTT protocol.
- Integrated voice assistants like Google Home, Alexa, Siri in the backend to make the appliances voice activated.
- Deployed the entire architecture over Docker Compose on Amazon EC2 Instance.
- [Add source code](#), [Add Live Link](#)

Achievements

- Won the Multiple Hackathons (NIIT, UPES).
- Works on personal idea as startup, offered 2000\$ funding for Startup.

