

AMAN GUPTA

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Professional Summary

Dynamic Full Stack Developer with 1 years of experience in building end-to-end web applications using Python FastApi and React. Skilled in developing backend APIs, integrating frontend technologies, and deploying solutions across cloud platforms. Experienced in optimizing performance and enhancing user engagement through seamless full-stack development. Committed to continuous learning and staying updated with emerging technologies.

Education

Tata Institute of Social Sciences

2022 – 2025

Bachelor of Science (BSc) in Software Development

Mumbai

Experience

GreyCats Tech LLP

February 2024 – March 2025

Python & ReactJS Developer (Mumbai)

Technical Skills

- **Programming Languages:** JavaScript, Python, PHP
- **Frameworks and Libraries:** PyTorch, Flask, React JS, TailwindCss, TensorFlow, OpenCV, Numpy, Pandas, Pyzbar, Rembg, FaceNet, scikit-learn, FastApi
- **Databases:** MySQL, SQL Server, NoSQL
- **Tools and Platforms:** Visual StudioCode, PyCharm
- **APIs:** RestAPI
- **Methodologies:** Agile
- **Version Control :** Git & Github

Projects

HR Portal | *Technologies used:* HTML, JavaScript, CSS, MySQL, Flask, Password Hashing

- Developed an HR portal for managing employee data.
- Implemented secure login with **password hashing** for data protection.
- The portal allows HR personnel to view and manage employee information such as salary, leave, and other personal details.
- Utilized **Flask** as the backend framework to handle requests and interact with the **MySQL** database.
- Designed a user-friendly interface with **HTML, JavaScript, and CSS** to ensure smooth navigation.
- **Role-based access control (RBAC)** implemented to restrict HR data visibility and ensure data security.

Image Processing Web Application | *Technologies used:* HTML, JavaScript, CSS, Flask, pyzbar, rembg

- Developed a web application for image background removal and QR/barcode scanning using Flask.
- Integrated **rembg** for background removal and **pyzbar** for QR/barcode detection.

- Designed a responsive frontend with HTML, CSS, and JavaScript.
- Implemented secure file handling and user-friendly image upload features.

Blood Donation Portal | Technologies used: HTML, JavaScript, CSS, MySQL, Flask, Password Hashing

- **Developed a Blood Donation Portal** to manage blood donors, recipients, and donation events.
- **Implemented Secure Login** with password hashing to protect user data and ensure privacy.
- The portal allows **users to register as donors**, view their donation history, and schedule upcoming donations.
- **Admin access** for managing donor profiles, tracking donation history, and monitoring available blood stocks.
- **Utilized Flask** as the backend framework to handle user requests, manage session data, and interact with the MySQL database to store donor and recipient information.
- Designed a **user-friendly interface** using HTML, JavaScript, and CSS, ensuring smooth navigation and easy registration for donors.
- **Role-based access control (RBAC)** is implemented to ensure **donor and admin privileges** are properly enforced, with admins having access to sensitive donor and recipient data.
- **Implemented a donation history system** to track past donations, eligibility for future donations, and blood type compatibility.
- **Real-time notifications** for upcoming donation drives and requests for specific blood types to encourage active participation from donors.
- The portal offers **search filters** to help users locate upcoming blood donation camps and recipient requests based on blood type, location, and timing.

Certifications

- **ReactJS, Python, Linux & Generative AI** (Certified by Infosys Springboard)
- **Presentation Skills & Communication Skills** (Certified by TCS ION)
- **Full Stack Web Development** (Certified by udemy)