

MANAV VYAS

B.Tech in Computer Science (Pursuing) - Indus University, Ahmedabad, Gujarat
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PROFESSIONAL SUMMARY

Motivated Computer Science undergraduate (6th semester completed) with a strong foundation in backend development, database design, and API engineering. Hands-on experience building REST APIs with Flask, FastAPI, and Node.js, along with practical exposure to AI/ML libraries, OCR-based document processing, and database integration. Seeking a Full Stack Development or Backend Engineering internship to apply technical skills, contribute to real-world projects, and continue growing as a developer.

TECHNICAL SKILLS

Languages	Python, JavaScript, Java, C++, C
Backend & APIs	Node.js, REST API Development, User Authentication, bcrypt, Flask, FastAPI
Databases	MySQL, PostgreSQL
Web Technologies	HTML, CSS, JavaScript, React.js
Libraries & Tools	Hugging Face Transformers, EasyOCR, PyMuPDF (fitz), PDF2Image, Pandas, Uvicorn, python-dotenv, TOML, SQLAlchemy
Core CS Concepts	Data Structures & Algorithms, Object-Oriented Programming, Database Connectivity, Problem Solving

INTERNSHIP EXPERIENCE

Full Stack Developer Intern - Infonikka

Dec 01 2025 – Dec 31 2025

Tech stack: Node.js, React.js, PostgreSQL, bcrypt

- Built and integrated RESTful APIs with Node.js, connecting them to a React.js frontend to deliver core application features.
- Developed a large portion of the application end-to-end, working across both frontend and backend layers.
- Implemented secure user authentication using bcrypt for password hashing, and designed PostgreSQL database structures for application and user data.

Python Developer Intern - Niyanttras

June 09 2025 – June 27 2025

Tech stack: Flask, FastAPI, SQLAlchemy, OCR & NLP libraries

- Developed and integrated REST APIs using Flask and FastAPI to support backend services and third-party data workflows.
- Implemented database operations and ORM-based data models with SQLAlchemy, improving data consistency and query efficiency.
- Built document-processing pipelines featuring OCR-based text extraction from images and PDFs using EasyOCR, PyMuPDF (fitz), and PDF2Image.
- Applied Hugging Face Transformers for NLP tasks, improving automation of data-extraction and processing workflows.

PROJECTS

Online Book Store Application PostgreSQL · Node.js · Express · HTML/CSS/JavaScript

- Built a full-stack online bookstore platform with role-based access for admins, vendors, and customers, backed by RESTful APIs built with Node.js/Express and a PostgreSQL database.
- Enabled admins to manage the platform end-to-end, including adding, editing, and deleting vendor and book records.
- Allowed vendors to manage their own accounts and select which books to list for sale, while customers could browse and purchase books, comparing prices across vendors to choose the best offer.

To-Do List Application React.js · Node.js · PostgreSQL

- Built a full-stack task management application with a React.js frontend and a Node.js (Express REST API backend).
- Designed a PostgreSQL database schema and implemented complete CRUD functionality for efficient task storage and management.
- Connected frontend and backend layers to deliver a smooth, responsive user experience.

URL Shortener Application Python · FastAPI · SQLAlchemy · PostgreSQL

- Developed a REST API to generate shortened URLs from user-provided URLs. Implemented database connectivity and data-management functionality for persistent storage and retrieval.
- Integrated database connectivity using SQLAlchemy to store and manage URL mappings.
- Built a simple web interface that sends URL input to the POST /shorten API endpoint and displays the shortened result.

EDUCATION

Bachelor of Technology in Computer Science [2027]

Indus University, Ahmedabad, Gujarat

Current Status: Completed 6th Semester

CORE STRENGTHS

API Development · Database Design & Integration · Problem-Solving · Quick Learner · Team Collaboration · Analytical Thinking