

NEERAV BABEL

FULL STACK & BACKEND DEVELOPER

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SUMMARY

Results-oriented Full Stack & Backend Developer with extensive experience in developing scalable microservices and high performance web systems utilizing Python and the MERN stack. Skilled at designing asynchronous systems, boosting database performance, and managing the deployment of containers. Dedicated to delivering high quality, secure, and maintainable software solutions that will not compromise the reliability of the whole system.

PROJECTS

EchoQuery |Asynchronous AI Media Architecture

Oct 2025- Nov 2025

Tech Stack: Python, FastAPI, Docker, Celery, RabbitMQ, PostgreSQL, MinIO

- Built a high speed system using Python microservices to handle heavy AI tasks without slowing down the user experience.
- Fixed API crashes during heavy usage by moving slow AI calculations to a background queue using RabbitMQ, keeping the main app responsive.
- Solved database slowdowns by storing heavy media files in MinIO (S3) storage and keeping only lightweight text data in the main database.

Waggy - The Pet Shop | E-commerce Platform

Jan 2025- April 2025

Tech Stack: Python, Flask, MongoDB, JavaScript

- Developed a complete E-commerce site with real-time delivery tracking using a Python backend and a mobile friendly frontend.
- Prevented overselling items by using atomic database updates to handle multiple users buying the last product at the exact same time.
- Fixed app freezing issues during location tracking by running GPS updates in the background to keep the interface smooth and responsive..

SKILLS

Languages	Frameworks & Libraries	Databases	Tools & Architecture
Python	FastAPI & Flask	MongoDB(NoSQL)	Docker & Compose
JavaScript	React.js & Node.js	MySQL	RabbitMQ & Celery
HTML5		PostgreSQL	Git & GitHub
CSS3		MinIO	REST APIs

EDUCATION

Bachelor of Technology - Computer Science & Engineering

Aug 2023 - Expected May 2027

Jain (Deemed-to-be) University, Bangalore
CGPA: 9.25 / 10.0

Relevant Coursework: Database Management Systems (DBMS), Operating Systems, Data Structures & Algorithms

ADDITIONAL INFORMATION

- **Research Publication:** Authored and presented **Crypto Seer – A Cryptocurrency Price Prediction Tool** at IEEE OTCON 4.0 (2025), demonstrating predictive modeling techniques for financial markets.
- **Languages:** English (Professional Proficiency), Hindi (Native).
- **Certifications:** Meta Full-Stack Developer (Coursera), FreeCodeCamp Full Stack Certification
- **Coding Profiles:** Solved 100+ problems on LeetCode