

Parag Durafe

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EXPERIENCE

Backend Developer Intern

ZuAi

November 2022 – April 2023, Bangalore, India

- Tested testcases for an authentication API and developed new APIs for image uploading and retrieval, utilizing modern development tools and techniques.
- Contributed to the integration of APIs with popular data storage solutions such as MongoDB and Redis, ensuring seamless data storage and retrieval across the application.
- Demonstrated ability to thrive in a fast-paced environment and effectively collaborate with cross-functional teams to achieve project deadlines while upholding a high standard of code quality and delivering project milestones.
- Gained hands-on experience in modern web development technologies, including RESTful APIs and Node.js, and successfully applied this knowledge to develop efficient and scalable code.
- Exemplified the initiative to learn new technologies and tools, actively seeking out opportunities for personal and professional development, and proactively identifying and addressing challenges in the development process.

PROJECTS

The Sole Quest (Ongoing)

- Tech Stack Used– Django, Stripe, FastAPI, MongoDB.
- Designed and developed a full stack web application using Django framework with a user-friendly interface.
- Implemented an integrated payment system using Stripe API for seamless and secure transactions.
- Utilized Django's ORM to handle database operations and ensure data integrity.
- Optimized system performance and scalability utilizing FastAPI with MongoDB as the reliable back-end database.

PDF Collaborator

- Tech Stack Used– Django, PythonAnywhere.
- Implemented user authentication and authorization for multiple accounts with varying access levels.
- Enabled authorized users to securely upload, share, and preview PDFs.
- Incorporated a commenting feature for collaboration among authorized users.
- Designed user-friendly interfaces for easy profile management.

Smart Home Automation

- Developed a Smart Home Automation System using OpenCV, Arduino, and MicroPython to control and automate household appliances using hand gestures.
- Implemented hand gesture recognition using Mediapipe library to enable users to control the devices by simple hand movements.
- Collaborated with a team of 2 to design and build the system, ensuring that it meets the project's requirements and standards.
- Conducted extensive testing to ensure the system's reliability and performance, and documented the results for future reference.

Moderton Blog API

- Tech Stack Used– FastAPI, MongoDB, DETA.
- A simple API to view, create, update and delete blog.
- Utilized mongodb for saving Blogs and user details. Authorizing user using JWT.
- Used Deta for deploying the API.

EDUCATION

Electronics and Communication Engineering

Medi-Caps University • Indore, India • 2023 • 8.46

PCM w/ Information Practices

The Shishukunj International School • Indore, India • 2019 • 84.3

SKILLS

- Languages: Python, SQL, JAVA, HTML, CSS
- Database: MySQL, MongoDB, PostgreSQL
- Frameworks: Django, Flask, FastAPI, Pytest, Scarpy, Bootstrap
- Libraries: OpenCV, NumPy, Pandas, bs4, Tkinter, Kivy, Matplotlib
- Tools: GIT, Deta, Heroku, Vercel, PythonAnywhere, Railway.app