Ishwar Jagdale

Full Stack Developer

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LinkedIn | GitHub | Portfolio

Highly motivated CSE '24 graduate with experience in full-stack development and AI integration, proficient in React, FastAPI, and Python. Proven track record in developing efficient software during an internship at Proacure Corp. Passionate about leveraging technology to create exceptional digital experiences.

EDUCATION

Deogiri Institute of Engineering and Management Studies   2020-2024
Bachelor of Technology - Computer Science & Engineering   Aurangabad, Maharashtra

Coursework   **CGPA: 8.14**
Data Structures and Algorithms, Operating System, Database Management System, Software Engineering, Computer Networks, OOPs, Artificial Intelligence, Machine Learning.

PROFESSIONAL EXPERIENCE

Product Engineering Intern   11/2023 - Present
Proacure Corp.   Pleasanton, California

Proacure Corp. is a procurement analytics firm that leverages intelligent automation technology and artificial intelligence for data-driven insights.

- Re-designed and developed backend from Express.js to a multithreaded FastAPI-Python setup and orchestrated it with Postgres database using SQLAlchemy – Object Relational Mapper
- Worked with a cross-functional team in designing and developing responsive frontend application in React.js, used Tailwind CSS **to increase efficiency and developing speed**
- Orchestrated in-memory cache setup for heavy API request and developed efficient algorithms for searching structured data which **increased the overall performance by 80%**
- **Integrated OpenAI model – gpt-3.5-turbo** in Python backend to parse unstructured documents and collaborated with team to develop RAG model with Postgres setup
- Wrote test cases and configured AWS EC2 instance for deploying the 3-tier setup on an ASGI server behind nginx proxy setup.

Django Developer Intern   02/2023 - 07/2023
Yeshshree Press Comps Pvt. Ltd.   Aurangabad, Maharashtra

Yeshshree Press Comps is a leading manufacturer of auto parts. Here worked as an Intern to develop ERP software using Django with a team of 11 members.

- Contributed to the development of frontend using Jinja2 templates in Django and constructed a **dynamic navigation for users** with specific module level permission.
- Designed and **developed an algorithm for employee attendance** module which aligns employees perfectly with the work shifts irrespective of previous missing entries.
- Engineered a standalone application that interacts with biometric device to record employee attendance over Django API which improved productivity **and reduced required time by 80%.**

Full Stack Developer   11/2022 - 02/2023
Aurangabad Smart City Development Corporation Ltd.   Aurangabad, Maharashtra

ASCDCL is a government entity responsible for the development and welfare of the city. Developed an application for the development of tourism in Aurangabad city as a full-stack developer.

- Led a cross-functional team of **4 members** in devising a web application which provides information about historical monuments located in the city in 26 languages to the foreign tourists, **solving the issue of misinformation and incorrect facts**.
- Modeled and crafted a responsive frontend using React framework, and backend in Python using Flask framework with Postgres database setup.
- Implemented **geolocation API in JavaScript** to calculate distance between two co-ordinates to recommend user with nearby monuments to visit.
- Responsible for the deployment of the application on a CentOS server. Provided support for the maintenance and training of the application.

SKILLS

Languages
Python, JavaScript, C, SQL, Java, HTML, CSS

Frameworks
React, Express, Flask, FastAPI, Django, Redux, Electron, Tailwind CSS, SQLAlchemy

Databases
Postgres, MongoDB, MySQL, Firebase, SQLite

Tools & Environment
Node.js, Git, GitHub Linux, AWS, GCP, Postman, JIRA, PyCharm

CERTIFICATES

Google IT Automation with Python Specialization - Coursera

JavaScript Algorithms and Data Structures - freeCodeCamp

Scientific Computing with Python - freeCodeCamp

PROJECTS

Digital Well-being and Desktop Companion

is an electron app which tracks screen time and applications and visualizes statistics. And notifies user of water reminders, and eye blinking reminders to reduce eye strains.

- Developed using **React** frontend packaged with **Electron** framework.
- Implemented **SQLite** for saving tracks, and **Python** to interact with native **Windows** API

Server Resource Monitoring Tool

SysMon is a tool that monitors server's compute, storage and memory and alerts user of downtime and overloads

- Programmed a **Python** script which runs on the server and sends stats over **WebSocket** to the frontend dashboard
- Engineered a client-side dashboard in **React** with **Chart.js**, which receives live stats over WebSocket.

Journal

*Journal is a clone of **medium.com**, a blogging application where users can create an account and post articles. Users also have their own customizable profile page.*

- Developed frontend in **React** and backend API in Python's **Flask** with **Postgres** database.
- Made use of **CKeditor5** library for rich text editor, and **AWS S3** storage for media uploads.