

TEJAS FATKAR

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PROFESSIONAL SUMMARY

Entry-level Python Full Stack Developer with hands-on experience in building secure and scalable REST APIs using **Fast-API**, **Flask**, and **Django**. Proficient in modern frontend technologies (HTML, CSS, JavaScript, AJAX) and database management using **MongoDB** and **MySQL**. Strong understanding of full **CRUD** operations, authentication, and backend system design. Passionate about writing clean, maintainable code and eager to contribute to a high-performing engineering team.

SKILLS SUMMARY

Python, JavaScript, SQL, Django, Flask, Fast-API, JWT, REST APIs, HTML5, CSS3, AJAX, Chart.js, Bootstrap.css, MongoDB, MySQL, Git, GitHub, API Testing Postman, Multi-Threading, OOP's, Exception Handling, Regular Expressions, MVC Architecture, Django REST Framework, Jira, Agile Methodology, Apache Maven, Apache Tomcat, CICD, Jenkin, ORM (Object Relational Mapping).

WORK EXPERIENCE

DATA ANALYST INTERN | RESITEX, MUMBAI

March 2025 - April 2025

Roles and Responsibility

- Engineered automated reporting workflows for production and quality data using Python (**Pandas** and **Matplotlib**), reducing manual reporting time by **20%**.
- Executed sales data visualization in **Seaborn** to identify the top three product categories responsible for **80% of total revenue**, guiding targeted marketing strategies.
- Contributed to the development of predictive analytic models for defect detection, shift tracking, and production planning.

PROJECTS

Task Management API

- Engineered a secure, full-stack Task Management API using Python's Flask and MongoDB Atlas for data persistence.
- Leveraged JWT authentication to secure all endpoints and enforce user-specific access.
- Implemented robust user authentication protocols, including the use of **JWT** for endpoint security and applying **industry standard password hashing** (e.g., bcrypt/Argon2) on registration and login.
- Developed a full CRUD set of task management endpoints to ensure scalable, reliable real-time state management for the client.

Real Time Chat Application

- Engineered a high-performance, real-time API using Fast-API by implementing dedicated Web Sockets for concurrent, bi-directional message broadcasting, showcasing mastery of asynchronous Python.
- Integrated **MongoDB** (via the **Motor** driver) to manage and persist chat history. Utilized **Pydantic** models to enforce strict data validation and ensure efficient serialization for all stored and transmitted messages.
- Developed a fully responsive user interface using **HTML and CSS**. Implemented all interaction logic with **vanilla JavaScript**, using **AJAX** for initial history retrieval and the WebSocket client for dynamic, real-time message display without page reloads.

Expense Tracking Web Application

- Developed a full-stack expense management system using Django (Python), MongoDB, HTML/CSS, JavaScript with AJAX for real-time data operations without reloading the page.
- Implemented user authentication with session management, with storage of all application data, including users, expenses, categories, and budgets, in MongoDB through PyMongo for database operations.
- Built an interactive Chart.js dashboard for category-wise spending analysis, monthly budget tracking, alerts, and expense filtering with full CRUD support.

EDUCATION

K J SOMAIYA INSTITUTE OF TECHNOLOGY, SION

Bachelor of Technology; CGPA: 9.25/10

Mumbai, India

Dec 2021 - May 2025

EXTRACURRICULAR ACTIVITIES

Secretary | THE INSTITUTION OF ENGINEERS (INDIA)

May 2024 - May 2025

- Directed a team of **50+ members** to organize and execute **8 technical and recreational events** for the college technical festival, Renaissance.
- Demonstrated strong skills in **project management, resource allocation, and large-scale event organization** by successfully managing the entire event lifecycle and team coordination.