Zaid Khatri

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Skills

Languages: Javascript, C++, Python, Java, CSS, HTML

Technologies and Tools: Node.js, Express.js, MongoDB, Git, Github

Education

Savitribai Phule Pune University   June 2023 –April 2027

BE in Computer Engineering

- **Relevant Coursework:** Data Structure and Algorithms, Object Oriented Programming, Discrete Mathematics, Engineering Mathematics, Software Engineering, Programming in Python, OOP in Java

Projects

AI Powered Inventory Management System   github.com

Full Stack Web Application

- Developed a full-stack AI-powered inventory management web application using **Express.js** and **EJS**, following the **MVC architecture** for clean and scalable code structure.
- Integrated **YOLO object detection model** via a **FastAPI microservice** to enable real-time product addition using a device camera, enhancing user convenience and reducing manual data entry.
- Implemented **data-driven inventory insights** using **Chart.js**, providing visual analytics on stock trends and product usage for smarter business decisions.
- Built an **AI notification system** using **Gemini API** to provide intelligent suggestions based on inventory data, helping users optimize stock levels and streamline business operations.
- Designed and implemented a **custom invoice generation module** using **PDFKit (Node.js)**, allowing users to create, download, and manage invoices efficiently.
- Developed **secure user authentication and role-based authorization** using **JWT (JSON Web Tokens)** to protect user data and restrict access based on user roles.
- **Tech Stack:** JavaScript, Node.js, Express.js, EJS, Python, FastAPI, YOLOv5, Chart.js, PDFKit, MongoDB, HTML, CSS

Blogify - Blogging Application   github.com

Full Stack Web Application

- Designed and built a full-stack blogging platform enabling users to **create, read, update, delete and comment on blogs**, enhancing community engagement and interaction.
- Implemented **secure authentication and authorization using JWT**, ensuring protected access and user-specific functionalities.
- Followed the **MVC architecture** to organize code into clear, maintainable layers, improving scalability and separation of concerns.
- Developed dynamic and reusable UI components using **EJS**, styled using **Bootstrap**, and followed **industry-standard frontend practices** for responsiveness and accessibility.
- Integrated **image upload functionality** for profile pictures and blog cover images, providing a personalized and visually rich user experience.
- **Tech Stack:** JavaScript, Node.js, Express.js, EJS, Bootstrap, HTML, CSS

Achievements

- **3× Gold Medalist** – International Mathematics Olympiad (IMO)
- **Qualified** – Joint Entrance Examination (JEE) Mains