MUHAMMED ASHKAR M

FULL STACK PYTHON DEVELOPER

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TECHNICAL SKILLS

Languages	:	Python, JavaScript, HTML, CSS,C.
Frameworks	:	Django, React, Flask, FastAPI.
Libraries	:	Redux, Channels, Tailwind CSS, Bootstrap.
Databases	:	PostgreSQL, MySQL, MongoDB, Firebase.
DevTools	:	Visual Studio Code, Figma, Git, Postman.
Other	:	ORM,AWS, NGINX, MVT, Netlify, Docker.

ABOUT

A self-taught Full Stack Python Developer with a strong ability to adapt in both independent and collaborative environments, consistently delivering high-quality results under tight deadlines. Skilled in modern frameworks such as **Django** and **React**, with hands-on experience in **REST API**s and **MVT** architecture. Proficient in backend and frontend technologies, with a focus on building efficient, scalable web applications.

EXPERIENCE

PYTHON DEVELOPER   Nov 2023 - Nov 2024
BROTOTYPE (Self-learning Platform)   Calicut, Kerala

Experienced in working with a wide range of innovative Web Development Technologies, including   Django, React, Python, PostgreSQL, and more.

EDUCATION

MSc Data Analytics   Nov 2021 – May 2023
Bharathiar University   Coimbatore, Tamil Nadu

BSc Computer Science   June 2017 – Mar 2020
University of Calicut   Calicut, Kerala

PROJECTS

Ajwa Tech E-commerce Website   *Python, Django, Bootstrap, ORM, PostgreSQL, Git, MVT*   Source Code

- Designed and enhanced a clean and modern website that sells Electronics using **HTML, CSS, Python, Django, PostgreSQL** with **MVT** architecture and deployed on **AWS**.
- User's side features : Cart, Wishlist, Buy Now, Coupons, Wallet, payment options, User Profile management, Order management, History , Google Authentication, Facebook Authentication, Invoice, Product filtering, Sorting ,Wallet , etc.
- Admin side features : Admin Dashboard, Product Management, User Management, Order management, Offer management, Coupon management, Category Management.
- Multiple secure payment methods using **Razorpay**, Cash on Delivery (COD) and Wallet payment.
- Executed robust OTP authentication system by using Django **send_mail** method.
- Chart and Graph sales reports on Admin side using Chart js.
- Admin can download sales reports in pdf and Excel format.
- Deployed on AWS EC2 using **NGINX** as reverse proxy.

Chat-app   *React, Django, REST API, JWT, Polling, PostgreSQL, Tailwind CSS*   Source Code

- Designed and developed modern responsive chat application using **React** as front-end and **Django** and **Django REST Framework** as backend.
- To style the application **Tailwind CSS** is used, which ensuring optimal user experience across various devices and screen sizes.
- Web application offering real time chat between user in room based manner.
- Features : Create Room, Chat with users, Chat in different Room, Chat Multimedia contents.
- Implemented user authentication and authorization using **JWT Token**.

MindVentures E-Learing Website(ongoing)   *React, Django, REST API, JWT,Channels, Websockets,*   <u>Source Code</u>
PostgreSQL,Redux

- Designed and expanded modern responsive E-Learning web application using **React** as front-end and **Django** and **Django REST Framework** as backend.
- Student side features : Profile Management, Role based access, Learning progress access, Reviewing courses, Payment options, chat options, Course filtering and sorting , Student Dashboard.
- Mentor side features : Mentor Dashboard, Course Management, Chapter Management , Profile management, Chat option.
- Admin side features : Admin Dashboard, Course Overview, User management, Category management, Chapter overview, Mentor management , Profile Overview(Mentor and Student).
- Multiple secure payment methods using **Razorpay** and **Paypal**.
- Secure user authentication and authorization using **JWT** (JSON Web Tokens).
- Incorporated real-time chat and notification functionality using **Websockets** and **channels**.
- Responsive Design using **Tailwind CSS** ensuring optimal user experience across various devices and screen sizes.
- Added Google Sign-In functionality using the google-auth-library.

MINI PROJECTS

Netflix Clone using React   *React, The Movie Database(TMDB)*   <u>Source Code</u>

- Created a simple Netflix clone app leveraging the technologies of **Rect.js**.
- Integrated the **TMDB** (The Movie Database) API into the Netflix clone app to fetch real-time movie data.

Notepad   *Python, Django, ORM, JavaScript, REST API, Docker.*   <u>Source Code</u>

- Developed a clean and modern Notepad application with an intuitive user interface.
- Implemented full CRUD functionality, enabling note creation, retrieval, updating, and deletion.
- Built a robust backend using Django Rest Framework (DRF) to ensure efficient data management and API integration.
- Designed the frontend using JavaScript for a seamless and responsive user experience.
- Containerized the application by creating a Docker image, enhancing portability and deployment efficiency.

OLX clone using React   *React,JavaScript,JWT, DRF, Firebase,*   <u>Source Code</u>

- Established a simple OLX clone using **React, JavaScript and Firebase.**
- Enforced secure user authentication and authorization using **JWT** (JSON Web Tokens).
- User product selling. Every user can able to sell the product to the other user.
- Database is supervised by Firebase. Creation, deletion, Retrieval and updating (CRUD operation) can control by firebase.