

Ayshath Ashfiya A

Python Full Stack Developer

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Profile Summary

Full-Stack Developer with a passion for creating exceptional web applications and seamless user experiences. Skilled in designing, developing, and deploying robust applications using **Python/Django**. Proficient in translating complex requirements into scalable, maintainable solutions with clean, well-documented code. Adept at problem-solving, ensuring efficient, long-lasting projects that meet and exceed user expectations.

Technical Skills

- **Programming Languages:** Python, C, JavaScript
- **Frontend Technologies:** HTML, ReactJS, Redux, Tailwind CSS, Bootstrap, CSS
- **Backend Technologies:** Django, DRF, REST API, MVT
- **Database:** PostgreSQL, MySQL, MongoDB, Firebase, ORM
- **Development Tools:** Git, GitHub, Figma, Postman, VSCode
- **Integrations:** PayPal, JWT, WebSocket, Redis, AWS S3 Bucket
- **Deployments:** AWS, Vercel, Nginx, Gunicorn, Daphne
- **Expertise:** Software Development, DSA, OOPS, Debugging, Database Design

Education

KVG College Of Engineering: BE in Computer Science and Engineering	2015 – 2019
• CGPA: 7.2/10.0	
Brototype: Python Full Stack Development (Python Django + React)	2023 – Present

Projects

School Management System	GitHub
School Management System that streamlines classroom and teacher management, facilitates real-time communication, and provides dynamic dashboards. It includes role-based access, exam result tracking, and leave management, all with a user-friendly interface to enhance productivity and collaboration within educational institutions.	
<ul style="list-style-type: none">• Developed a scalable School Management System for efficient management of classrooms, attendance, and academic records, streamlining administrative tasks.• Implemented secure authentication using JWT for role-based access control (Admin, Staff, Student), ensuring secure user interactions.• Integrated real-time chat and notifications using Django Channels and WebSockets, enhancing communication and collaboration within the platform.• Built an intelligent exam and results system to track grades, facilitating seamless academic performance monitoring.• Utilized Django Rest Framework for backend development, ReactJS and Redux for the frontend, and Tailwind CSS for a responsive, modern user interface.• Leveraged PostgreSQL for robust data management, ensuring efficient and scalable storage solutions.• Deployed the application on AWS EC2 with Nginx and Daphne for backend performance and scalability, and Vercel for frontend deployment, ensuring high availability and security.	

GreatKart E-Commerce

GitHub

GreatKart is a feature-rich e-commerce application designed specifically for the fashion retail industry. It provides a seamless online shopping experience for customers and efficient management tools for administrators.

- The platform includes **Product Listings**, **Secure Payment Integration**, **Order Management**, and customer support features, ensuring a smooth, user-friendly experience for both shoppers and store administrators.
- Implemented advanced data visualization using **Chart.js** for sales and performance analytics in admin dashboards, providing actionable insights.
- Integrated multiple payment options **PayPal**, and **Cash on Delivery (COD)**, offering customers flexibility and convenience.
- Enhanced security with **Email Verification** based account creation to protect user data and ensure secure transactions.
- **Product Management, Shopping Cart, and Order Management**: Streamlined product listing, categorization, inventory tracking, seamless cart operations, and efficient order processing with detailed history tracking for both customers and administrators.
- Created a professional sales reporting system using **ReportLab** and **InvoiceGenerator**, generating comprehensive invoices and reports in CSV and PDF formats.
- Constructed **Full Stack E-Commerce** solution using **Django** and **PostgreSQL**, deployed on **AWS** with **Nginx** and **Gunicorn**, ensuring high-performance, scalable infrastructure with a user-friendly interface built using **HTML**, **CSS**, **Bootstrap**, **JavaScript**.

Mini Projects

Leave Application and Approval System

GitHub

- A comprehensive leave application and approval system where users can apply for various types of leave and keep updated on remaining leaves, managers can review, approve, or reject applications.
- **Technologies**: Django Rest Framework (DRF), ReactJS, Material Tailwind, JWT Authentication.

Content Management Application

GitHub

- Designed and developed a full-stack CMS application for publishing and sharing blog posts with admin and user functionalities.
- **Technologies**: Django, Django REST Framework, MySQL, AWS S3, JWT Authentication.

Netflix Clone

GitHub

- Built a Netflix clone, streaming platform using ReactJS, integrating with TMDB API for real-time movie and TV show data.
- **Technologies**: React.js, TMDB API, React Hooks, Context API, CSS Modules.
- Browse and view trending movies and TV shows with a responsive, interactive, and dynamic UI built using ReactJS.

Certifications

- **Big Data Analytics** - Knowx Innovations Private Ltd, Bangalore
- **100 days of Code-Python** - Angela Yu (Udemy)
- **Python and Web Development Basics** - Sharpener