

# ABHINAND AV

Python Full Stack Developer

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## PROFILE SUMMARY

Enthusiastic Python-Django developer specializing in dynamic front-end interfaces and robust back-end solutions. Proficient in a variety of technologies, including Python, Django, JavaScript, React and PostgreSQL. Quick learner, dedicated to innovative web solutions and seamless user experiences. Eager to contribute to digital transformation projects with quality code and creative problem-solving.

## TECHNICAL SKILLS

Languages	: Python, JavaScript
Back-End Development	: Django, Django REST Framework, Django ORM, Django Channels
Front-End Development	: React.js, Next.js, Redux, HTML, Tailwind CSS, Bootstrap
Database	: PostgreSQL, MongoDB, MySQL, Firebase
Cloud	: AWS, EC2, Route53, AWS Amplify, Vercel
Familiar with	: Git, GitHub, Data Structures and Algorithms, Razorpay, Simple JWT, Daphne, Unicorn, Redis, WebSocket, Axios, Nginx, Certbox, Postman, Figma

## PROJECTS

### SkillBridge - E Learning Full Stack Application

[🔗 Live Link](#) | [🐙 GitHub](#)

Developed an E-learning application allowing users to access courses, interact with instructors and make secure payments through **Razorpay** integration. The application is designed to facilitate a seamless learning experience with efficient data handling and real-time communication.

- Implemented live chat using **Django Channels**, enabling real-time communication between users and instructors for immediate support and clarification.
- Utilizes **Redux** for global state management, ensuring efficient data handling and seamless user experience.
- Developed a **RESTful API** with Django Rest Framework to handle client requests and server responses.
- Modular structure comprising distinct student, teacher and admin modules, each tailored to their respective roles and functionalities.
- Deployed using **AWS Cloud Service, Amplify, Nginx, Unicorn, Daphne and Certbot** for reliable, scalable and secure performance.

**Technologies Used:** Django, Django Channels, React.js, Redux, Tailwind, PostgreSQL, Git, AWS, Daphne, Certbox and NGINX.

### Toeman.online - E commerce Website

[🔗 Live Link](#) | [🐙 GitHub](#)

Developed and launched a fully operational E-commerce platform, focusing on footwear retail with advanced features, to deliver a frictionless online shopping experience using Django.

- User authentication is ensured using the Django User Model, with additional security provided by Email OTP verification.
- Implemented **Product Zoom** and **Variant Selection** for enhancing product presentation and purchasing. Dynamic product sales visualization is achieved through **Graph.js**.
- Integrated **Razorpay** to provide a reliable and secure payment gateway, ensuring smooth checkout transactions.
- Leveraged **AWS Cloud Service, along with Nginx, Unicorn and Certbot** for deployment, resulting in a high performing, reliable and secure platform with the capacity for seamless scalability.

**Technologies Used:** HTML, CSS, Django, Javascript, PostgreSQL, Bootstrap, Git, Nginx, Unicorn, Certbot and AWS.

# MINI PROJECTS

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## Taskflows - Project Tracker

[Live Link](#) | [GitHub](#)

- Designed a clean, user-friendly interface using **React**.
- Helps the user to manage their ongoing projects and keep track on it.
- Secure authentication using JWT and OTP verification
- User can export Project summary as gist format and save it to the local system

## Netflix Clone

[Live Link](#) | [GitHub](#)

- Developed a Netflix clone using **React**, closely mimicking the Netflix interface for a dynamic viewing experience.
- Integrated **TMDB API** to fetch and display movie data, providing users with up-to-date information.

## Goal Setter

[Live Link](#) | [GitHub](#)

- Designed using **React**.
- Enabled users to add, edit and delete tasks, providing comprehensive control over their To-Do lists.
- Ensured the application is fully responsive, providing a consistent experience across various devices and screen sizes.

## Online Note Saver

[Live Link](#) | [GitHub](#)

- Developed a Online Note Saver using **React** and **Redux** for front-end management and **Django** for the back-end.
- Styled the application with **Tailwind CSS** to ensure a responsive and modern user interface.
- Implemented **JWT** for secure user authentication and authorization, ensuring the safe management of user sessions.

## OLX - Buy and sell products

[Live Link](#) | [GitHub](#)

- Developed an OLX clone using **React**, providing a seamless user experience for product listings and searches.
- Integrated **Firebase** for efficient user authentication, database management and real-time updates.
- Ensured efficient product management and user interaction through state management and optimized API calls.

## Education

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### Python Full Stack Development

2023 - Present

Brototype, Ernakulam

### BCA - Bachelor of Computer Application

2020 - 2023

Pilathara Co-Op Arts and Science college, Kannur

CGPA : 7.4