

# :AKHIL A

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I am a tech enthusiast with a passion for creating innovative projects. I am committed to continuous learning and am eager to apply my skills in a dynamic role where I can contribute to cutting-edge technology and drive measurable results.

## RELEVANT SKILLS

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- **Computer skills:**
  - Frontend:HTML,CSS , Bootstrap, Tailwind,JavaScript,React Js,
  - Backend:Python,Django,Django Rest Framework, fast api
  - Database management system:postgresql,mysql,sqlite
  - Version Control System: ,GitHub, Git,
  - Additional skills: photoshop,figma,
  - Languages: Malayalam (Native), English (Advanced), Hindi (Intermediate)
  - Key skills: problem-solving,Team player,self Learning,

## WORK EXPERIENCE

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### FULL STACK DEVELOPMENT IN PYTHON & REACT (Freelance)

- Created and executed detailed test cases, test scripts, and test plan
  - Worked as a Python Developer and contributed to projects involving React and Django focusing on building dynamic web applications and APIs.
  - contributing to projects involving **React** and **Django**, focusing on building **dynamic web applications**, **RESTful APIs**, and seamless integration between the frontend and backend.
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## Projects

### • OTT PLATFORM-MOVIE ZONE

**Technologies:** Django, Django Rest Framework, mysql,React,Bootstrap

- Developed React.js-based dynamic ui for content browsing and streaming
- Built and maintained **RESTful APIs** using **Django Rest Framework** for managing
- movies, user data
- **Implemented CSRF token protection** to prevent Cross-Site Request Forgery (CSRF) attacks for secure form submissions and AJAX requests.

## Roles and Responsibilities:

- **Frontend Development:** Designed and developed a dynamic **React.js** user interface for seamless content browsing and streaming.
- **Backend Development:** Built and maintained **RESTful APIs** using **Django REST Framework (DRF)** for handling movies, users, and authentication.
- **Database Management:** Managed and optimized **MySQL** database for storing user details, movie data, and watch history.
- **Authentication & Authorization:** Implemented **role-based access control (RBAC)** to differentiate between users, admins, and content managers.
- **Security Implementation:**
  - Integrated **CSRF protection** to prevent cross-site request forgery attacks.
  - Used Django's built-in authentication system for secure user login and registration.
- **Responsive UI:** Utilized **Bootstrap** to ensure a mobile-friendly and responsive design across devices.
- **Performance Optimization:** Improved API performance by implementing **pagination, caching, and query optimizations**.
- **Testing & Debugging:** Conducted unit testing and debugging for **frontend and backend** components to ensure smooth functionality.
- **Deployment & Maintenance:** Deployed the platform on a **cloud-based server (AWS/Heroku)** and provided ongoing maintenance and updates.

## CAREER SITE(JOB SITE)

**Technologies:** Django, Django Rest Framework, postgresql,React,Tailwind,

- **Designed and developed a user-friendly front end using** React, Tailwind CSS, HTML, **and JavaScript, creating an engaging and responsive user experience for job seekers and employers. Integrated features such as a job menu, blog section, and user profiles to enhance platform functionality.**
- **Built the backend with Django to manage** job postings, user authentication, application tracking, **and profile management.**
- **Implemented JWT authentication for secure API access and CSRF protection to ensure safe form submissions.**

## E-LEARNING SITE(backend)

**Technologies:** Django, Django Rest Framework,postgresql,query,css,

- 7 Designed and implemented the front end using HTML, CSS, and JavaScript, ensuring an intuitive and responsive user interface
8. Developed the backend with **Django** to manage **courses, chapters, and enrollments**, ensuring smooth user interactions and progress tracking.

## E-COMMERCE SITE

**Technologies Used:** Django, Python, React.js, Bootstrap, HTML, CSS, JavaScript, PostgreSQL/MySQL

### Description:

Developed a full-stack eCommerce web application that allows users to browse, search, and purchase products online. Implemented features like product listing, cart management, user authentication, and secure payment integration.

### Key Features:

- **User Authentication:** Implemented login, registration, and profile management using Django authentication.
- **Product Management:** Created dynamic product listings with categories, filters, and search functionality.
- **Shopping Cart & Checkout:** Developed an interactive cart system with quantity updates, order summary, and checkout process.
- **Payment Gateway Integration:** Integrated a secure payment system using Stripe/Razorpay.
- **Order Management:** Enabled users to track orders, view order history, and manage deliveries.
- **Admin Dashboard:** Developed an admin panel for product management, order tracking, and user analytics.
- **Responsive UI:** Ensured a mobile-friendly design using Bootstrap and CSS media queries.

### Roles and Responsibilities:

- Designed and implemented the front-end using React.js and Bootstrap for an intuitive user experience.
- Developed RESTful APIs with Django REST Framework for backend communication.
- Managed database operations using PostgreSQL/MySQL for storing product and order details.
- Integrated third-party services for payments and email notifications.
- Deployed the project on a cloud platform (AWS/Heroku) for scalability.

## EDUCATION

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2018-2020	<b>B.A HISTORY</b> vishwabarathy / Kerala University (kollam, India) Ba history
2016 - 2017	<b>Higher Secondary</b> Thadicadu / Kerala State/ (Kollam, India) humanities
2015	<b>High School</b> G HSS Yeroor /kerala state/ (kollam, India)