Bonthapalli Aditya Rao

Backend & Full Stack Developer (Python — Django — React — REST APIs)

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Summary

Backend-focused Full Stack Developer with strong expertise in Python, Django, and RESTful API development. Built and deployed multiple production-style applications with secure authentication, relational database design, and scalable backend architecture. Passionate about clean code, performance optimization, and system design fundamentals.

Technical Skills

Languages: Python, JavaScript, SQL
Frontend: React.js, HTML5, CSS3, Bootstrap, Tailwind CSS
Backend: Django, Django REST Framework, Node.js, Express.js, JWT Authentication, RBAC
Databases: MySQL, PostgreSQL, MongoDB
Deployment: Render, Netlify, Vercel, Gunicorn
Tools: Git, GitHub, Postman, Linux
Core Concepts: Data Structures & Algorithms, OOP's, REST APIs, Database Design, Authentication & Authorization, API Security, System Design Basics

Projects

Full Stack Video Streaming Platform (YouTube Clone)   Live | GitHub
React, Django REST Framework, JWT, ImageKit CDN, PostgreSQL, Netlify, Render

- Developed a full-stack video streaming platform with secure JWT-based authentication and 20+ RESTful APIs.
- Implemented video upload and media delivery pipeline using CDN integration for optimized performance.
- Designed relational database models for users, videos, comments, subscriptions, and watch history.
- Built backend features including pagination, filtering, search, and engagement modules (likes, comments, subscriptions).

AdCart – Full Stack E-Commerce Platform   GitHub
React (Vite), Django REST Framework, JWT, MySQL/PostgreSQL

- Engineered a full-stack e-commerce application with authentication, product catalog, cart management, and order processing workflows.
- Built REST APIs supporting product search, filtering, sorting, and pagination.
- Designed normalized relational database schema for products, users, carts, and orders.
- Integrated seller management dashboard and Django admin for inventory and user control.

AI Resume Builder (SaaS Application)   Live | GitHub
React, Node.js, Express.js, MongoDB, Gemini API, Vercel

- Developed an AI-powered resume generation SaaS platform using the MERN stack.
- Integrated Gemini API for dynamic content generation and customizable resume templates.
- Implemented secure authentication, protected routes, and PDF export functionality.
- Designed scalable cloud deployment with separated frontend and backend hosting.

Education

B.Tech – Computer Science Engineering	2020–2024
Sree Dattha Institute of Engineering and Science, Hyderabad	CGPA: 7.51
Intermediate (MPC)	2018–2020
Sri Chaitanya Junior Kalasala, Hyderabad	CGPA: 8.23

Certifications

Python Full Stack Development — QEdge Technologies
MERN Stack Development — Udemy