

## Alex bob

Backend Developer (Django | Python)

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## Professional Summary

Result-driven Backend Developer with hands-on experience in Django, REST APIs, and Database Management Systems. Skilled in developing scalable backend systems, integrating APIs, and optimizing performance for web applications. Passionate about clean architecture, security best practices, and collaboration in agile environments.

## Technical Skills

Languages: Python, JavaScript, C++

Frameworks: Django, Django REST Framework, Flask (basic)

Databases: MySQL, PostgreSQL, SQLite

Tools & Platforms: Git, Docker, Postman, VS Code, Ubuntu, PyCharm

Concepts: RESTful APIs, Authentication & Authorization, ORM, MVC Architecture, Unit Testing, Deployment

Other Skills: HTML, CSS, Tailwind CSS, GitHub Actions (CI/CD)

## Projects

### JobConnect Portal (Django Full-Stack Project)

Developed a complete job portal connecting employers and job seekers.

- Built user authentication system for two user roles (Job Seeker & Employer).
- Created dynamic dashboards for posting, applying, and managing jobs.
- Integrated Django ORM with PostgreSQL for scalable data handling.
- Designed REST APIs for job listings and applications.
- Technologies: Django, Tailwind CSS, SQLite/PostgreSQL

### AI-Based Code Generator

An AI tool that generates HTML/CSS/JS code from images and prompts.

- Implemented Django backend with API endpoints to handle model inference.
- Managed file uploads, image preprocessing, and code generation requests.
- Integrated OpenAI API for natural language processing.

### Credit Card Fraud Detection (Machine Learning Project)

Used Naive Bayes classifier to detect fraudulent transactions.

- Cleaned dataset, trained, and evaluated multiple ML models.
- Built a simple Django dashboard to visualize results.
- Technologies: Python, Scikit-learn, Pandas, Django

## **Experience**

Backend Developer (Intern) — TechNest Solutions, Karachi

June 2024 – Sept 2024

- Assisted in developing and deploying RESTful APIs for internal tools.
- Implemented JWT authentication and custom middleware for access control.
- Worked with team on database schema design and model optimization.
- Improved backend response times by 20% through query optimization.

## **Education**

BS in Computer Science — COMSATS University, Vehari Campus (Expected Graduation: 2026)

Relevant Coursework: Data Structures & Algorithms, Database Systems, Machine Learning, Web Development, Software Engineering

## **Certifications**

- Django for Beginners — Udemy (2024)
- Python for Data Science — Coursera (2023)

## **Soft Skills**

Problem Solving • Team Collaboration • Attention to Detail • Adaptability • Agile Development