

ABDUL MOEED PIRACHA

Associate Software Engineer

+92 3246558805 moeedpir330@gmail.com LinkedIn GitHub

Professional Summary

Web Developer with expertise in Django REST Framework and React.js framework for building dynamic, scalable web applications. Experienced in developing RESTful APIs using Django and creating responsive, component-based user interfaces with React.js. Skilled in JavaScript (ES6+), Python, HTML5, CSS3, and state management tools like Redux. Proficient in integrating frontend and backend services, implementing authentication and authorization, and optimizing application performance. Strong collaborator in Agile teams focused on delivering high-quality software solutions.

Technical Skills

- **Backend:** Python, Django, Django REST Framework, RESTful APIs, JWT Authentication
- **Frontend:** React.js, Redux, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS
- **Mobile:** Flutter, Dart, Cross-platform development
- **Databases:** PostgreSQL, MySQL, SQLite, Django ORM
- **Version Control:** Git, GitHub
- **CI/CD & Containerization:** Docker, Jenkins, GitHub Actions
- **Testing:** Postman, Jest, Flutter testing
- **Project Management:** Jira, Trello, Agile methodologies

Education

University of Management and Technology (UMT)

Bachelor of Science in Computer Science (BSCS)

2021 – 2025

CGPA: 3.5 / 4.0

Superior College

Pre-Engineering

2019 – 2021

82.1%

The Educator Jinnah Campus

Matriculation (Biology)

2017 – 2019

84%

Professional Experience

InternCraft Internship

Software Development Intern

Sep 2024 – Nov 2024

Remote

- Assisted in backend development with **Python** and **Django**, and contributed to frontend features using **React.js**.
- Gained practical experience in REST API design, database management, and Git version control.
- Participated in Agile ceremonies including daily standups, sprint planning, and code reviews.
- Enhanced debugging skills by resolving bugs and writing unit and integration tests.

Final Year Project

- **AI Teaching Assistant (AITA)** – Developed an AI-powered assignment grading system using **ChatGPT**, **OCR**, **Django REST Framework**, and **Flutter**.
- Built **RESTful APIs** with Django for automated assignment evaluation, rubric-based feedback, and file handling.
- Integrated **plagiarism detection** and **sentiment analysis** to ensure fair and consistent grading.
- Designed a cross-platform **Flutter** mobile app and a **React.js** dashboard for intuitive interaction and grading insight visualization.
- Utilized **PostgreSQL** for efficient data storage, relational integrity, and optimized query performance.

Interests

- Machine Learning – Predictive modeling, deep learning, AI solutions
- Computer Vision – OpenCV, CNNs, image analysis
- Artificial Intelligence – NLP, automation, intelligent systems
- Backend Development – RESTful APIs, microservices (Django, Node.js)
- Frontend Development – React.js, Flutter mobile apps
- Data Science – Python, Pandas, NumPy