

# MOHAMMAD ABDULLAH KHAN

+92 319 4532882 | [abdullahkhandurrani4268@gmail.com](mailto:abdullahkhandurrani4268@gmail.com) | [www.linkedin.com/in/abdullah-a94b4a287](https://www.linkedin.com/in/abdullah-a94b4a287)  
| [www.github.com/AbdullahDurrani4268](https://www.github.com/AbdullahDurrani4268) | Islamabad 44000

## SOFTWARE ENGINEER

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### EDUCATION

**Bachelor of Science in Software Engineering**  
Fast NUCES, Islamabad

**Aug 2022 - Present**

**Courses:** Data Structures, Web Development, Software Engineering, Database Systems, OOP, Programming Fundamentals, Software Design and Architecture, Human Computer Interaction, SCD, Software Quality Engineering, Operating Systems, Web Engineering, Computer Networks, Applied AI

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### TECHNICAL SKILLS

**Languages:** C++, C, C#, Java, JavaScript, HTML, CSS, Python

**Technologies:** MERN Stack, Node.js, React.js, Angular, RESTful APIs, MongoDB, MySQL, MSSQL.

**Other Skills:** UI/UX Design, Agile, CI/CD, Git, API Integration, Requirement Management, Software Testing, Team Leadership, Flask, Docker, Kubernetes, Artificial Intelligence, Microservices, DevOps, Software Quality Assurance, Document AI, Machine Learning, TensorFlow, Linux.

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### WORK EXPERIENCE

**Project Manager**  
FreeFuel Energy Pvt. Ltd., Islamabad

**March 2021 – April 2023**

**Led** cross-functional teams in developing solar energy solutions, completing projects 15% ahead of schedule and increasing client satisfaction ratings by 30%.

**Implemented** agile methodologies and streamlined project management processes, resulting in a 25% boost in team productivity and significantly reducing project delivery times.

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### PROJECTS

**AI Face Mask Detection System (2025):** Built a custom SSD-based face mask detection system from scratch using PyTorch, Python, OpenCV, NumPy, Pandas, CUDA (GPU)

**FreeFuel Management System (2025):** Built a MERN-based internal platform with CI/CD automation via **GitHub Actions**, containerized with **Docker**, and deployed using **Kubernetes**.

**Solar Solution Management System (2024):** Built a MERN-based platform for solar products and solutions for FreeFuel.

**Weather App (2024):** Real-time weather app using HTML, Tailwind CSS, jQuery and Gemini API

**Event Management System (2024):** Automated financial operations with Java, MySQL, and Spring Boot.

**TA & LD Management System (2024):** Improved data efficiency by 25% with optimized queries in C#, MSSQL.

**Requirement Engineering (2023):** Delivered a complete SRS document for Fast University's student services.

**Ecommerce Mobile App (2023):** Developed using Flutter and Dart; designed UI on Figma.

**Job Hunt App UI (2023):** LinkedIn-like interface designed on Figma.