ABDUL MUIZZ KHAN

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EXPERIENCE

Full Stack Engineer — March 2024 – Present
Conrad Labs — *Lahore, Pakistan*
- Integral developer at Conrad Labs, for a health startup aimed at **reducing drug spends** for US based insurance companies, enhancing healthcare affordability and accessibility.
- Engineering scalable features for **large data processing** and optimized bulk operations, significantly **enhancing platform efficiency** for internal users.
- Leading the **development** and refinement of new features, improving the **performance and reliability** of the existing codebase to meet evolving business

Founding Full Stack Engineer — May 2023 – March 2024
Alif Care — *Lahore, Pakistan*
- Early engineer at Alif Care, a mobile app platform for chronic patients, enhancing tracking of medical history, food, exercise, and daily activities; played a pivotal role in shaping **core features** and **infrastructure**.
- Developed a robust **error logging system** integrating AWS Elastic Beanstalk with CloudWatch and crafted a **secure file management system** on AWS S3, significantly boosting data security and operational efficiency.
- Streamlined **user sign-up** and **authentication** using **OAuth protocols** and reduced patient on boarding time from **7 days to 5 minutes** through a custom admin portal, revolutionizing user engagement and accessibility.

Answer's Intern — May 2023 – March 2024
Educative, Inc — *Lahore, Pakistan*
- Distinguished as one of **27** from over 200 applicants, tasked with writing technical answers and articles on emerging technologies in web development and machine learning.
- Recognized for exemplary contributions with the **'Best Answers Written'** award; authored **60+** in-depth articles, enhancing the knowledge base for global users.

PROJECTS

Kahaani | *Firebase, Express.js, Node.js, React.js, Material UI* — Private
- Developed Kahaani, a full-stack web application aimed at **enhancing Urdu learning** for primary students with limited access to instructors.
- Designed and implemented a user-friendly, **text-to-speech interface** that aids students in learning Urdu, significantly **reducing** their reliance on traditional teaching methods.
- Authored a **research paper** detailing the **educational impact of Kahaani**, contributing to academic discussions on **technology-enhanced learning**.

Vehicle Classifier | *Python, NumPy, cv2, Scikit Learn, Git* — Github
- Implemented **vehicle classification** using **sliding window technique** and machine learning classifiers including Naive Bayes, Logistic Regression, Neural Networks, and SVM.
- Conducted **data preprocessing** and **performance evaluations** to select the optimal model based on accuracy and efficiency for **real-time vehicle detection**.

Dastarkhwaan | *MERN Stack, Heroku, Git* — Github
- Designed and implemented a **food donation platform** on the MERN stack, enhancing **accessibility** for users to contribute to **NGOs** based on geographical proximity and interests.
- Deployed the application on Heroku, **optimizing performance** and **scalability** to handle **increasing user traffic** and transaction volumes effectively.

TECHNICAL SKILLS & CERTIFICATIONS

Languages: Java, TypeScript/JavaScript, Python, C/C++, SQL (Postgres), HTML, CSS
Libraries/Frameworks: Spring Boot, React Native, Redux, React.js, Node.js, Express.js, Nest.js, Firebase, Type ORM
Certifications: AWS Certified Cloud Practitioner, Ultimate AWS Cloud Practitioner CLF-C02, Prompt Engineering

EDUCATION

Lahore University of Management Sciences (LUMS) — Lahore, Pakistan
*Bachelor of Science in Computer Science – **CGPA 3.81 (top 5%)*** — *Aug 2019 – May 2023*
- **Achievements:** Dean's Honor List 2019–2023
- **Extra-curricular:** Junior Representative of Basket Ball at Sports LUMS, Member of Social Media Marketing team at Photo LUMS