

# Abdullah Mughal

## Software Engineer

A Full-Stack Developer seeking a challenging career with progressive organizations that provides an opportunity to capitalize my technical skills and abilities in MERN-Stack Development. I love to learn new concepts, technologies and tools. My areas of interests include React, Next.js, Firebase, Node and Deep Learning etc.



### Employment History

#### Software Engineer at TEAMO, Islamabad

SEPTEMBER 2022 – PRESENT

- **Writing High-Quality Code:** Develop clean, high-performance, and maintainable code for new software products and enhancements.
- **Project Coordination:** Collaborate cross-functionally to ensure projects align with business objectives and compliance standards.
- **Development and Support:** Develop and support software, including applications, database integration, interfaces, and new functionality enhancements.
- **Testing and Deployment:** Support testing and deployment of new products and features, taking ownership of projects.
- **Code Reviews:** Participate in code reviews, fostering a culture of continuous improvement.

#### Tech Lead at Educative, Lahore

OCTOBER 2021 – AUGUST 2022

- **Leadership & Support:** Orchestrated course development projects while leading a team, offering hands-on technical support in Docker setup, code execution, and deployment.
- **Problem Resolution:** Proactively addressed and resolved technical challenges, ensuring seamless progress and team efficiency.
- **Empowering Teams:** Provided mentorship and guidance, empowering the team to navigate technical hurdles and optimize workflow.
- **Technical Mastery:** Demonstrated expertise in Docker setup, code execution, and deployment, ensuring smooth project execution.

#### Technical Content Engineer at Educative, Lahore

JUNE 2021 – AUGUST 2022

- **Lead Course Development:** Guided projects from inception to launch, coordinating with internal teams and stakeholders for seamless execution.
- **Create Engaging Courses:** Researched, planned, and developed text-based, interactive courses for engineering audiences, elevating content quality.

### Details

Lahore, Pakistan

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### Links

[Linkedin](#)

[Portfolio](#)

[Github](#)

### Skills

React.js

Next.js

Firebase

Tailwind CSS

Liquid (Shopify)

Node.js

Express.js

MongoDB

JavaScript

Git

Docker

Artificial Intelligence (AI)

Deep Learning

- **Platform Expertise:** Mastered Educative's capabilities, leveraging them to create impactful courses and guide external authors effectively.
- **Contribute to Course Strategy:** Stayed abreast of technical developments, actively shaping course strategy to meet evolving learner needs.

## Education

### Bachelor's, Computer Science at National University of Sciences and Technology (NUST), Islamabad

2017 – 2021

### F.Sc, Pre-Engineering at Govt. Degree College, Mandi Bahauddin

2015 – 2017

## Certificates

### Next.js - The ultimate way to build React apps at Educative, Inc.

AUGUST 2022

### Grokking Modern System Design Interview for Engineers & Managers at Educative, Inc.

AUGUST 2022

### React Deep Dive: From Beginner to Advanced at Educative, Inc.

JULY 2022

### JavaScript In Practice: ES6 And Beyond at Educative, Inc.

JULY 2022

### Docker for Developers at Educative, Inc.

AUGUST 2021

### Deep Learning Specialization at Coursera

MARCH 2020

## Publications

### Temporal Analysis and Prediction of Ambient Air Quality Using Remote Sensing, Deep Learning, and Geospatial Technologies at IGI Global

APRIL 2022

- **Air Quality Challenge:** Surge in pollution makes air unsafe. Conventional systems lack coverage and induce uncertainty.
- **Innovative Approach:** Sentinel 5-Precursor Satellite images + ML for timely air quality forecasts. Focused on Lahore with Sentinel 5-Precursor data (2018-2021).
- **AI Model Success:** CNN excels with a low MSE (0.0003) for pollutants.
- **Data Visualization:** AQI displayed on a web portal for easy interpretation.
- **COVID-19 Impact:** Lock downs correlate with reduced NO<sub>2</sub> levels.

## Languages

English

Urdu

Punjabi

## Hobbies

Coding, Gaming, Horse Riding, Travelling, Cycling, Archery, Learning Deen