

Abdul Rehman Aziz



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EDUCATION

Comsats University, Islamabad

Bachelor of Science, Computer Science

IEEE-CUI IAS Media Director

Lahore, PB

July 2023 (Expected)

Relevant Coursework: Web Technologies, Databases, Computer Networks, Mobile App Dev, Object Oriented Programming.

SKILLS

Languages: TypeScript, JavaScript, HTML, CSS, Python, SQL, C#, Shell

Frameworks & Tools: React, Node.js, Jira, MongoDB, PostgreSQL, Firebase, NumPy, TensorFlow

Concepts: APIs (REST, GraphQL), Agile Methodologies (Scrum, Kanban), Test Driven Development, DBMS, CI/CD

EXPERIENCE

Comsats University, Islamabad | Research and Development

Sep 2022 — Present

- Working in a team under the supervision of Dr. Zeeshan Gillani and Dr. Aksam Iftikhar to implement a custom Neural Style Transfer architecture in the domain of Image-Based Artistic Rendering (IB-AR).
- Implementing the custom architecture of NST utilizing ResNet replacing VGG-19 with enumerated Gram matrices.

Techniques/Tools: CNNs, Neural Style Transfer, CycleGANs, Magenta.

Techlogix | Software Developer Intern

Jul 2022 — Sep 2022

- Collaborated in a team of 3 interns to revamp flagship product Campus On Cloud of Almusnet, subsidiary of Techlogix.
- Pioneered implementation of multiple backend services for different functionalities including implementation of approval workflow, online admission fee payments.
- Lowered bugs by **67%** in multiple features as well as reduced features completion time from **55 to 38 days** and accomplished user review rating of **93%** positive feedback.

Technologies/Tools: C#, .NET, LINQ, Entity Framework (EF) Core, SSMS.

NexusBerry | Web Developer Intern

Jul 2021 — Sep 2021

- Worked in a team to maintain **3** client projects including an ERP, CRM and e-commerce web-application.
- Implemented and debugged numerous UI features; learned about CI/CD pipelines, containerization and feature flagging.
- Contributed to quality assurance, improving coverage by writing integration and functional tests for **83%** of total features.

Technologies/Tools: React+Typescript, Jest, Chakra UI, Express, MongoDB.

Interns.pk | Trainee Program (Remote)

Aug 2021 — Sep 2021

- Trained and worked on web fundamentals in a fast-paced and competitive environment of **248** peers.
- Secured top **20%** in the national leaderboards of August batch by acing projects and completing assigned tasks.

PROJECTS

ARTficial

(GitHub)

- A web-application that allows users to beautify their images by stylizing them using different aesthetic filters.
- Supports multi-server architecture, implemented a public standalone API for stylization, secured by rate limited routes.
- **Technology:** React, AWS EC2, Flask, Chakra UI, MongoDB, Cloudinary.

Akhrajaat.pk

(GitHub)

- A finance tracking platform where users can store their personal finances to track their expenditures in real time.
- Implemented serverless architecture, with skeuomorphic designed UI components for smooth user experience.
- **Technology:** React, Firebase Realtime Database + Authentication, Animate.css

More on github(/abdi)