

# Abdul Rehman Aziz



yestisabdi@gmail.com



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## EDUCATION

**Comsats University, Islamabad**  
Bachelor of Science, Computer Science

Lahore, PB  
July 2023 (Expected)

## 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).
- Design and developing a user-friendly platform where users can interact with the model and generate creative stylized images following different workflows for different possibilities.

**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 the flagship product Campus On Cloud (CoC) of Almusnet, a 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 | Full-Stack Developer Intern** Jul 2021 — Sep 2021

- Worked in a team to develop and maintain **3+** client projects including large-scale full stack web-applications.
- Implemented and debugged numerous UI features and components as well as implementing secure RESTful APIs by rate-limiting routes; learned about CI/CD pipelines, containerization and integral feature flagging.
- Contributed to quality assurance by improving coverage by writing unit, integration and functional tests.

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

**Interns.pk | Trainee Program** 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-z)