

Danyal Faheem

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in <https://www.linkedin.com/in/danyalfaheem/> 🔄 <https://github.com/DanyalFaheem>

👉 <https://danyalfaheem.github.io/> 🏠 <https://replit.com/@DanyalFaheem>

EDUCATION

BS Computer Science, National University of Computer and Emerging Sciences 08/2019 – 06/2023
Majors: Software Engineering, Distributed Data Engineering, MLOps, Cloud Computing
Inducted in Dean's Honor List for academic achievement; CGPA: 3.76/4.00

A' Levels, Super Nova College 08/2017 – 08/2019

EXPERIENCE

Teacher Assistant, National University of Computer and Emerging Sciences 📄 09/2021 – 06/2023
Courses assisted: Distributed Computing, Computer Network, Object Oriented Programming
Aided professors in assessment evaluations; Developed automated test scripts

Intern, State Bank of Pakistan 📄 08/2021 – 09/2021
Learned Android App Development using Java in Android Studio
Developed backend of Android App to log daily visitors of the bank

Intern, Funavry Technologies 📄 07/2021 – 08/2021
Learned Frontend Development using the Angular Framework
Developed multiple projects using Angular such as template management forms

SKILLS

Languages: Python | C/C++ | JavaScript | SQL Tools: Docker | NoSQL | Windows Subsystem for Linux

PROJECTS

NEWS Analytics as a Service, [Python, Golang, Docker, Apache Spark, Apache Kafka, PostgreSQL, LeafletJS] 📄
The platform automates scraping of NEWS, extraction of focus time, focus location and categories from the NEWS documents utilizing Apache Spark and Apache Kafka for distributed processing, plotting them on a GIS connected to a Golang API with PostgreSQL database.

Reddit Comment Analyzer, [Python, Docker, Github Actions, Jenkins, minikube] 📄
Developed a live stream reddit comments sentiment analyzer while collaborating using CI/CD pipelines.

DDoS Attack Emulation and DDoS Protection, [Python, Scapy, Fing] 📄
Emulated DDoS attacks using Scapy and Fing and provided protection against DDoS attacks using AMS algorithm.

Distributed Hash Tables, [C++] 📄
Emulated a ring based distributed hash tables on a single machine using circular linked lists and AVL Trees.

Template Management Forms, [Angular, Typescript] 📄
Developed a web application for template management using Gridster and Calendar packages in Angular.

Bank visitor logger, [Java, Google Script]
Developed the backend of an android app to log visitors of bank by scanning the QR code on CNIC cards.

Fit-Me Web App, [Oracle SQL, PHP] 📄
Developed a web application to track fitness health of gym members with PHP frontend and Oracle database.

Distributed optimal order chain matrix multiplication, [C++, MPI] 📄
Performed optimal order chain strassen's matrix multiplication on distributed systems using MPI in C++.

INTERESTS AND EXTRACURRICULARS

Interests: Football | Operating Systems | Swimming | Manga | Geopolitics

Extracurriculars: Speed Programming | Swimming Gala | Huawei ICT Competition