

Muhammad Mustafa

Software Engineer

Competitive, Hardworking, Ambitious Software Engineer with interests in Backend Development, Data Engineering, Cloud and DevOps. Highly Analytical, Team-working individual willing to face challenging situations. Always Willing and eager to learn new skills and technologies.



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🎓 Education

FAST - National University of Computer and Emerging Sciences, Islamabad

Bachelors in Computer Science BS(CS)

CGPA : 3.30

📁 Work Experience

Trainee Engineer at abcData

(Current)

NSTP, Islamabad

- Worked and got exposure of Big Data Framework of Hadoop and learnt about its core components. Learnt tools like Kafka, Spark, Hive, Nifi
- Worked on Cloud technologies for containerization, automation, CI/CD like docker, terraform, jenkins and worked on AWS services like EC2, S3, RDS, ECR, ECS

💡 Projects

Final Year Project

Implementation of a traffic challan management system with Ethereum Blockchain to bring transparency in the system for increased revenue and better management.

Technologies/Languages

[Ethereum, Android Studio, NodeJS, ReactJS]

Semester Projects

- **Deployment of Load balanced and AutoScaling Application on AWS EC2 as well as using OpenSource Tools [AWS, Terraform, Haproxy, Docker, Python]**

Deployed an auto scaling load balanced application using AWS interface as well as using Terraform. We also deployed a simple auto scaling load balanced flask application using open source tools.

- **Simulation of Routing Protocol in AdHoc Network [Python]**

Simulations of flooding and dynamic source routing protocols

- **Manipulated CIFAR-10 Dataset Image Classification [Python, TensorFlow]**

Usage of different image classification technique models to improve accuracy on a manipulated dataset.

- **Online Job Portal [Django]**

A Django based implementation of a web based Job Portal enhancing our concepts of Object Oriented Analysis and Design.

- **DBConnect [Java, SQL]**

Developed an interface that allowed user to connect to a Database and perform CRUD operations.



Expertise

• Technical Skills

- Backend Development
- Android Development
- Cloud Computing
- Data Mining
- Data Analyst

• Skills

- Python
- Matplotlib
- NodeJS
- Django
- Java
- Pandas
- C++
- Javascript
- HTML/CSS
- SQL
- Numpy

• Others

- Git
- Gitlab/Github
- Linux
- AWS EC2

• Soft Skills

- Teamwork
- Analytical
- Delagation
- Problem Solving
- Creativity
- Desire to Learn
- Ambitious
- Hardworking
- Coperative
- Flexibility



Hobbies

- Playing games like table tennis, football, futsal
- Watching documentaries , Reading books and Listening to music
- Watching Season and Movies
- Illustrating and Graphic Designing