

# Fasih Muhammad Virk

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## EDUCATION

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### Institute of Space Technology

Islamabad, Pakistan

B.S. in Computer Science

July 2024, September 2020

- GPA: 3.15/4.00
- **Related Coursework:** Data Structures & Algorithms, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Mobile Application Development

## EXPERIENCE

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### Markhorverse

Islamabad, Pakistan

Python/ Django Developer

Sep 2022 – Present

- Create Python Scripts and APIs.
- Develop Full Stack Applications using Django, SQLite on PythonAnywhere.

### CodSoft

Islamabad, Pakistan (Remote)

Data Science Intern

Sep 2023 – Oct 2023

- Utilized Python libraries pandas, scikit-learn, and matplotlib to preprocess a dataset and train them.
- Generator a classification report on each dataset after training and testing process and calculates the accuracy.

### NETSOL Technologies Inc

Lahore, Pakistan

Software Engineer Intern

Jul 2023 – Sep 2023

- Developed and implemented RESTFUL APIs on Python and Nodes.
- Utilized SQLAlchemy, Pydantic and Alembic for database manipulation using PostgreSQL.

## PROJECTS

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### Exam Scheduler

Islamabad, Pakistan

Team Lead

July 2023 – Aug 2023

- Developed an algorithm to generate exam schedules considering hard and soft constraints.
- Implemented a local search algorithm to optimize the generated schedules.
- Utilized tkinter to create a user-friendly for inputting the data and displaying the exam schedule information.

### Mandi Master

Islamabad, Pakistan

Team Member

Apr 2023 – Mar 2023

- Developed a website to provide a platform that connects buyers and sellers of livestock, food, and dairy products.
- Implemented backend in Django, and create a user interface using html, CSS and hosted on PythonAnywhere.

### Rental Agency System

Islamabad, Pakistan

Team Lead

Nov 2022 – Oct 2022

- Developed a rental system to maintain the records of Societies, Owner, Customer, House, or Apartments on rent, also for sale and those who are rented to a customer.
- Implemented python as the backend and utilized tkinter for the frontend of the application.

## ACTIVITIES AND LEADERSHIP

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### Google Developer Student Club - IST

Islamabad, Pakistan

Tech Lead/General Secretary

Sep 2023 – Present

- Leader of a Tech Team in GDSC - IST of 60+ members, hosting tech events, managing a different core team.

### ACM-IST Chapter

Atlanta, Georgia

Tech Manager

Aug 2019 – Current

- Helped in Building ACM Website, manage different event, and awareness regarding the technologies in ACM community.

## SKILLS

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**Programming:** Python, JavaScript, HTML/CSS, SQL, Node.js, React.js, C++, Kotlin (Android)

**Tools:** Visual Studio Code, Android Studio, IntelliJ, PyCharm, AWS, Jupyter Notebooks, Git, Agile

**Languages:** English (Native), Urdu (Native), Punjabi (Fluent)