# Syed Taha Hasan

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## Education

**FAST National University of Computer and Emerging Sciences, Islamabad**
*Bachelor in Data Science* (2021 - 2025)
**Army Public School and College, DHA-1, Islamabad**
*Pre-Engineering (HSSC)* (2019 - 2021)

## Experience

**Data Science Intern**
Multiconsult, Norway (Remote)                                                *June 2024 - July 2024*

- Analyzed 500+ locations, identifying top 10% high-efficiency solar regions.
- Built predictive models, increasing solar energy forecasting accuracy by 25%.

**Data Analysis Intern**
PepsiCo                                                                      *September 2024*

- Analyzed sales transactions across 4 regions, improving revenue forecasting by 20%.
- Conducted cohort analysis on customers, increasing retention by 8%.

## Projects

**Video Game Sales Prediction Model**
*Python, Flask, HTML/CSS* Developed machine learning models to forecast global video game sales.
**Secure Authentication System**
*Flask, Bcrypt, CSRF Protection* Built a Flask-based 2FA login system with email OTP, bcrypt hashing, CSRF protection, and rate limiting for enhanced security.
**Weather & Accident Analysis**
*Tableau* Analyzed accident trends using Tableau, visualizing weather impact on crash rates with interactive dashboards.

## Skills

**Technical Skills:** Python, C++, JavaScript, Big Data, HTML/CSS, Streamlit
**Machine Learning & AI:** Scikit-learn, PyTorch, TensorFlow, Generative AI
**Data Analysis & Visualization:** Tableau, Power BI, D3.js, Matplotlib, Seaborn
**Databases:** MySQL, MongoDB

## Certifications

**1. HP LIFE**                                                              HP , *October 2024*

- Completed coursework on business and IT fundamentals.

**2. Introduction To Power-Bi**                                             DataCamp, *July 2024*
**3. Exploratory Data Analysis in Python**                                  DataCamp , *Aug 01, 2024*

- Learned techniques to analyze, visualize, and interpret datasets for insights.

## Leadership

- Ex-Lead Creatives of FAST Data Science Society with over 100+ student members and the official Departmental Society of FAST NUCES Islamabad.
- Media Officer - NASCON'22, '23