

Talha Asghar

Sr. Software Engineer — Full-Stack & AI/ML — Python, Django, TensorFlow, JS, React

🌐 talhaasghar.dev | [in](#) [@iamtalhaasghar](#) | [@iamtalhaasghar](#)
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EDUCATION

MS, COMPUTER SCIENCE

specialization in **Artificial Intelligence**
NATIONAL UNIVERSITY OF SCIENCE & TECHNOLOGY, SEecs (NUST) [🔗](#)
Aug 2025 | Islamabad, PK
Cum. GPA: : 3.56 / 4.00

BS, COMPUTER SCIENCE

KHWAJA FAREED UNIVERSITY OF ENGINEERING & IT (KFUEIT) [🔗](#)
July 2021 | Rahimyar Khan, PK
Cum. GPA: 3.88 / 4.0
Gold Medalist

SKILLS

PROGRAMMING

Python, Javascript, C/C++, Java, Kotlin, PHP, C#

TOOLS & FRAMEWORKS

Django, Flask, FastAPI, Node.js, React.js, React Native, TensorFlow, MySQL, Linux, Bash, Git, FreeSWITCH, Asterisk, Grafana, Prometheus, Monit, Munin, Apache Airflow, Metabase, NumPy, pandas

COURSEWORK

GRADUATE

Mathematics for Machine Learning
Machine Learning
Deep Learning
Big Data
Data Mining

UNDERGRADUATE

Programming Fundamentals
Object Oriented Programming
Data Structures and Algorithms
Databases
Operating Systems
Design and Analysis of Algorithms
Digital Logic Design
Computer Architecture and Organization
Theory of Automata
Compiler Construction
Web Development
Mobile App Development
Artificial Intelligence
Information Security
Computer Networks

EXPERIENCE

CONVERGENCE BUSINESS SYSTEMS [🔗](#)

SENIOR SOFTWARE ENGINEER

Jan 2023 - Present | Islamabad, PK (Remote)

- Deployed a call center solution handling **60K+ daily calls** for a global telecom client.
- Built an agent evaluation system for **215+ agents**, boosting performance insights.
- Designed a data lake processing **4TB/month** for monitoring and reporting.

ASSOCIATE SOFTWARE ENGINEER

Nov 2021 - Jan 2023 | Islamabad, PK (Remote)

- Collaborated across teams to **troubleshoot** and **resolve complex system issues**, ensuring smooth legacy-to-modern transitions.
- Optimized application performance by refactoring legacy codebases and **reducing technical debt**.

RAPIDEV [🔗](#)

MACHINE LEARNING ENGINEER

Jun 2022 - Feb 2023 | National Software Technology Park (Contract, Hybrid)

- Developed ML-based bot detection to identify and analyze fraudulent Twitter accounts for a **government organization**.

FIVERR

FREELANCE PROGRAMMER AND IT CONSULTANT

Oct 2018 - Nov 2021 | Freelance

- Delivered **120+** client projects with a consistent **4.9+** star rating, including a full Clinic Management System for a German clinic.

PROJECTS

Bot Account Detection [🔗](#): ML system to **detect bot activity** on Twitter in **real-time**.
Smart Time Table Scheduler [🔗](#): Generic algorithm to generate **clash-free** university class schedules.

The Revivalists App [🔗](#): Customized, deployed, and managed backend of a FOSS messaging app with **2k+ users** for a community.

Brand Try it Out [🔗](#): Bachelor's final year project, an Android app using **AR** to let users try on clothes and accessories

CERTIFICATIONS

Meta Full Stack Engineer [🔗](#)

Meta - Jun 2025

Meta React Native Specialization [🔗](#)

Meta - Jun 2025

Deep Learning Specialization [🔗](#)

deeplearning.ai - Sep 2023

TensorFlow Developer Professional Certificate [🔗](#)

deeplearning.ai - Aug 2023

Machine Learning Specialization [🔗](#)

Stanford - Dec 2022

Django for Everybody Specialization [🔗](#)

University of Michigan - Jun 2022

AWARDS

2019	top 25/65+ teams	Regional Finals in ACM ICPC, GIKI Topi
2019	1 st /University	Speed Programming, Fareed Innovation and Tech Event
2018	2 nd /University	Speed Programming Contest, KFUEIT Tech Olympiad
2018	top 3/Class	Merit based scholarship
2018	1 st /Department	Best Semester Project among all CS & IT Students