

Talha Asghar

Senior Software Engineer — Backend Development, AI/ML/DL Engineering Lead

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Education

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| National University of Science and Technology - NUST
<i>Masters of Science in Computer Science with specialization in AI (GPA: 3.88 / 4.00)</i>
• Relevant Coursework: Artificial Intelligence, Machine Learning, Deep Learning, Big Data, Data Mining | Expected Aug 2025
Islamabad, Pakistan |
| Khwaja Fareed University of Engineering and Information Technology - KFUEIT
<i>Bachelors of Science in Computer Science (GPA: 3.88 / 4.00)</i>
• Relevant Coursework: Programming Fundamentals, Object Oriented Programming, Data Structures, Assembly Languages, Computer Architecture and Organization, Web Programming, Mobile App Development, Compiler Construction | Sep 2021
Rahimyar Khan, Punjab |

Experience

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| Convergence Business Systems
<i>Senior Backend Developer</i>
• Implemented an exceptionally efficient ETL pipeline that seamlessly integrates data from various sources, consolidating it into a robust Data Lake spanning approximately 60TB. This pivotal infrastructure enhancement has empowered our sales team, enabling them to execute queries with unparalleled efficiency and speed.
• Led a proficient team in the successful deployment of a Telecom Helpline Call Center solution for a company, facilitating seamless customer-agent interactions for complaint submissions. Additionally, spearheaded the development of a performance monitoring module to assess individual agent effectiveness, enhancing operational transparency and efficiency.
• Implemented comprehensive automation solutions for diverse server maintenance tasks, including real-time alerts for service disruptions and automated email reports for clients. This streamlined approach ensures proactive issue identification and swift resolution, bolstering overall system reliability and client satisfaction. | Nov 2021 – continued
Islamabad, Pakistan |
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Projects

- The Revivalists App**
- Volunteered for Mr. Qaiser Ahmed Raja to create a dedicated Instant Messaging platform tailored for their "The Revivalists" community, addressing concerns of bans and reports on their Whatsapp community and groups.
 - We leveraged the open-source Element Messenger to fulfill this objective.
 - I assisted in deploying the Synapse backend server for Element Messenger, ensuring seamless communication for the Revivalists community.

Technical Skills

Languages: Python, Javascript, Java, C / C++, Kotlin, PHP, C#
Technologies: Django, Flask, Fastapi, Tensorflow, React.js, Node.js, Android SDK, Linux
Concepts: Neural Networks, Cloud Computing, Databases, Web and Mobile app development

Achievements

- Gold Medalist in Bachelors
- Runner Up Speed Programming Contest - KFUEIT Tech Olympiad (2018)
- Winner Speed Programming Contest - Fareed Innovation and Technology Event (2019)
- Lead a team to Regional Finals in ACM ICPC, GIKI Topi (2019)

Social Engagements

Cofounder: of CS Connect Pakistan
Community Member : at Islamic Messaging System (2023-)
Volunteer: at Revivalists Tech Team (Jan 2024-)