

MOHAMMAD ATTIQUE

Software Engineer

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EXPERIENCE

SQA Engineer

Alachisoft

📅 May 2025 – Aug 2025 📍 Islamabad, Pakistan

- Performed daily sanity, performance, and load tests on NCache to identify bottlenecks and ensure system stability.
- Identified, tracked, and verified fixes for bugs within NCache, collaborating with developers to expedite resolution.
- Maintained automated tests to improve test coverage and accelerate release timelines.

Research Assistant

FAST (NUCES)

📅 June 2024 – April 2025 📍 Islamabad, Pakistan

- Reviewed 5+ academic papers to stay up-to-date on texture enhancement and image processing advancements.
- Evaluated and applied 4 encoding strategies to enhance texture quality.
- Collaborated with team members to discuss progress and integrate feedback.

Software Engineering Intern

Bitnine Global.

📅 March 2024 – May 2024 📍 Islamabad, Pakistan

- Actively contributed to the enhancement of Apache Age. (Git, GitHub)
- Implemented 2 new features and 3 GraphQL functionalities on PostgreSQL.
- Resolved critical bugs and improved documentation.

NLP Intern

IKNEX Lab

📅 June 2023 – August 2023 📍 Islamabad, Pakistan

- Conducted Natural Language Processing (NLP) and data mining on an Arabic encyclopedia.
- Achieved an impressive 95% accuracy rate in data extraction and categorization.

EDUCATION

Bachelors in Computer Science

National University of Computer and Emerging Sciences (FAST)

📅 September 2021 – May 2025 📍 Islamabad, Pakistan

EXTRACURRICULAR

- Vice Head for Corporate Outreach and PR (External) at Google Developer Student Club (GDSC-FAST Islamabad). (1 year)
- Campus Ambassador at PriceOye.pk. (8 months)
- Managed the I.Survived Corona. (7 months)

PROJECTS

Art2Sprite

FAST (NUCES)

📅 October-2025 – March 2025

- Built an AI-powered platform that converts sketches into digital sprites using FastAPI, Python, and PyTorch. Built with Next.js, React, and Tailwind CSS, it features background removal, resolution enhancement, and sprite sheet generation, leveraging Hugging Face, PostgreSQL, and GitHub to streamline game asset creation for developers and artists.

Apache AGE Enhancement Project

Bitnine Global

📅 March-2024 – May 2024

- Increased Apache AGE functionality by 20% by adding 2 new features, ensuring stability through bug resolutions, and providing valuable feedback for performance improvements.

NLP and Data Mining Integration

IKNEX Lab

📅 June-2023 – August 2023

- Data extracted and categorized using NLP from an Arabic encyclopedia, with an accuracy rate of 95% through collective dedication and teamwork.

Custom Blockchain Network

FAST (NUCES)

📅 November-2024 – December 2024

- Designed a custom blockchain using Go that leverages BTC protocols, but replaces token transactions with outputs from a deterministic ML model.

TECHNICAL SKILLS

- **Languages:** C#, Python, C/C++, Java, Go
- **Frameworks & Libraries:** .NET, ASP.NET, React, NextJS, NodeJS, FastAPI, PyTorch, TensorFlow
- **Databases & Caching:** MySQL, MongoDB, PostgreSQL, NCache
- **AI/ML :** PyTorch, TensorFlow, OpenCV
- **DevOps & Tools:** Docker, Git/GitHub, Azure Devops, AWS, Kubernetes
- **Software Development Methodologies:** Agile, Scrum, CI/CD