

# Kinza Ghaffar

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## Skills

- Python | C++ | OPP | Java | HTML | CSS | Bootstrap | Tailwind | JavaScript | Kotlin | SQL | MySQL | NoSQL | Firebase | YAML
- Manual & Automation Testing | Functional & Non-Functional Testing | API Testing | Web Application Testing | UAT | CI/CD Pipelines
- End-to-End Testing | Jira | TestRails | Cypress | Selenium | Robot Framework | Git/GitHub | GitHub Actions | DevSecOps | Kubernetes

## Experience

**Software Quality Assurance Engineer (SQAE)**      AgentNoon      Remote, Canada      05/2023 - 09/2023

- Led the design and implementation of automated **Python test scripts** for Web-based systems, aligning with AgentNoon's commitment to responsible organizational growth by working in an agile team environment.
- Addressed identified issues promptly, optimizing workflows and **enhancing overall efficiency by 3 times**.
- Proficiently **managed defect tracking systems**, displaying a keen understanding of company's business model. Prioritized issues strategically and ensured timely resolution, contributing to the seamless functioning of critical processes.
- Played a pivotal role in minimizing defect rates by conducting **rigorous manual testing**, aligning with emphasis on workforce planning and organizational design. Ensured thorough coverage of all use cases before deployment, upholding the highest standards of quality.
- Continuous Integration/Deployment Pipeline Integration, pull requests, load/stress testing, integration/e2e testing.

**Software Quality Assurance Engineer (SQAE)**      BlocTech Solutions      On-site, Pakistan      07/2022 - 03/2023

- Led the development, configuration, and maintenance of robust **CI/CD pipelines** for automated testing, utilizing cutting-edge tools such as **GitHub Actions** and **GitLab**.
- Designed and implemented extensive automated test scripts and test suites using **Python, JavaScript, and Java** to ensure the seamless functionality and quality of software applications.
- Proactively identified and addressed issues in the development and **deployment phases**, contributing to the **continuous improvement** of software effectiveness.
- Maintained a strong **focus** on the latest industry trends and emerging technologies, incorporating best practices to drive innovation in testing methodologies.

**QA Trainee**      ElementaryLogics      On-site, Pakistan      01/2022 - 03/2022

- Contributed significantly to the enhancement of product quality at ElementaryLogics, implementing **rigorous testing methodologies** that resulted in a marked **reduction in bug rates** by 4 times.
- Demonstrated collaborative **problem-solving skills**, actively participating in cross-functional teams to address **complex issues** and **improve** overall software performance.
- Achieved key milestones in QA processes, contributing to the company's reputation for **delivering high-quality**, scalable web and mobile solutions. Fostered a culture of transparency and excellence, aligning with commitment to long-term strategic partnerships and **client satisfaction**.

**Software Engineer, Intern**      Alpha Logics      On-site, Pakistan      07/2021 - 09/2021

- Elevated user experience through the strategic design of intuitive and visually captivating web layouts using **HTML, CSS, Tailwind, and JavaScript** for frontend development.
- Optimized website performance, implementing techniques such as **image compression** and **code minification** to significantly reduce load times, resulting in **enhanced user satisfaction** and **improved overall site responsiveness**.

## Education

**Masters In Information Processing Science**      University of Oulu      Oulu, Finland      08/2023 - 07/2025

- Major in Software Engineering

**Bachelors of Science in Software Engineering**      National Textile University (NTU)      Pakistan      08/2017 - 09/2021

**Award:** Silver Medalist

**CGPA:** 3.64/4

## Projects

- **SPEECH RECTIFICATION APPLICATION (FINAL YEAR PROJECT - FYP):** End-to-end development of a mobile application to improve communication in children with speech articulation disorders, seamlessly integrating frontend technologies such as **XML** and **Kotlin** for the backend, and **Firestore** with backend intricacies. Utilized **Python** for backend development, incorporating **Machine Learning** techniques to train the **BERT Masking Model** and implement robust **data handling** processes. This project exemplifies expertise in the full-stack mobile application development.
- **CHATTING APPLICATION:** Developed a full-stack mobile application, streamlined chat application, showcasing advanced software development skills to enhance user communication experiences. The application, featuring chat and call functionalities, was a full-stack mobile solution with **XML** for the front end, **Kotlin** for the backend, and **Firestore** for the database.
- **COVID-19 CHATBOT:** I have successfully engineered a COVID-19 chatbot using **Natural Language Processing** in **Python**, designed to engage in natural language conversations with users via messaging. The application operates through a **two-step process**: first, it analyzes user requests, intent, and relevant entities to provide accurate answers; then, it formulates and delivers appropriate responses.

## Mentorship

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- **Software Engineering (SE) Society Head:** Led the society, orchestrating engaging events and workshops to foster skill development, connect students with industry professionals, and provide mentorship for academic excellence. Gained valuable experience in leading a student community and organizing events.
- **Volunteer For Crimestoppers:** Lead community protection initiatives by educating on crime prevention to empower public action and to strengthen community safety.

## Others

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- **Silver Award:** Won Silver Medal (2nd prize) for my bachelors in Software Engineering in the Computer Science Department for outstanding academic performance (**2017 - 2021**).
- **Certificate of Object Oriented Programming Competition:** I took part in an OOP project, developed a desktop application “**Railway Reservation System**” using **Java** and **SQL** for managing database, and got the 3rd position among all participants.