

ABOUT ME

I am passionate about programming, test automation, and cloud technologies, actively seeking exciting opportunities in the Software Development domain to acquire valuable experience and thrive within a competitive environment. I am confident in refining my skills and contributing dynamically.

SKILLS

Programming Languages & Libraries:

C++, Python, PyTorch, TensorFlow, AI/ML
JavaScript, TypeScript, HTML5, CSS, React

Frameworks & Databases:

LangChain, LlamaIndex, Bootstrap
Tailwind, Robot Framework, TestNG
Agile, Scrum, SQL, MySQL, MongoDB

Software Platforms & Tools:

Docker, Kubernetes, VMs, DevOps, Terraform
Ansible, Cloud Technologies, Azure DevOps
AWS, AKS, CI/CD, GitLab, GitHub, Figma, Jira
TestRail, Notion, Slack, Cypress, Selenium VS
Code, Trello, API Testing, JMeter, Postman

Operating Systems (OS):

Linux, Windows

Interpersonal Skills:

Adaptable to New Technology, Teamwork
Eager to Learn, Hardworking, Collaboration
Effective Communication, Problem-Solving

LANGUAGES

English : Fluent

Finnish : Basic

Punjabi : Fluent

Urdu: Fluent

HOBBIES

- Cycling
- Travelling
- Curiosity
- Reading

KHIZRA GHAFFAR

Software Engineer

CONTACT

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- 🔗 github.com/khizraghaffarkk
- 📁 [Portfolio](#)



EDUCATION

UNIVERSITY OF OULU, FINLAND

MSc Information Processing Science
Specialization : Software Engineering
📅 Sep 2023 - Present

NATIONAL TEXTILE UNIVERSITY

BSc Software Engineering
CGPA : 3.54/4.00
📅 Sep 2017 - Oct 2021

WORK EXPERIENCE

RESEARCH INTERN

📍 Ericsson - Espoo, Finland
📅 May 2024 - August 2024

- Focused on **telecommunications** and **AI**, using **LLMs** to enhance observability.
- Designed **RAG** pipelines and generated **synthetic datasets** with **Python**, aligned with **3GPP** standards.
- Explored **knowledge representation** techniques to improve data interpretation and model accuracy.

MERN STACK DEVELOPER TRAINEE

📅 May 2023 - July 2023

- Refined skills in designing interfaces using **HTML5**, **CSS**, **BootStrap**, **Tailwind CSS**, **React**, **MongoDB**, and **JavaScript** with **Express** and **Node JS**.
- Additionally, contributed to the project's success by conducting **API Testing** using **Postman**.

SOFTWARE TESTER

📅 July 2022 - March 2023

- Collaborated with testing and development teams to perform **manual** and **automated** testing, creating test plans and **scripts** using tools like TestRail, Jira, **Cypress**, **Postman**, **Robot-Framework**, and **Selenium**.
- Assisted in deployment to ensure smooth integration and functionality.

CERTIFICATIONS (15+)

Certificate Viewer - Online (Link)



C++ Programming

Course By Udemy



Python Demonstrations

Course By Udemy



AWS Certified Solutions Architect

Course By Udemy



Neo4j & LLM Fundamentals

Course By Neo4j Graph Academy



Lab - Terraform for Beginners

Course By KodeKloud



5G Introduction

Course By Ericsson



Kubernetes Crash Course

Course By KodeKloud



Docker for Absolute Beginners

Course By KodeKloud



Structured Query Language (SQL)

Skill Assessment Tests by HackerRank



API Testing with Postman & JMETER

Course By 10Pearls University



Automation with Cypress & Selenium

Course By 10Pearls University



Web & Graphic Designing Course

National Textile University

VOLUNTEER

INNOVATIVE YOUTH FORUM



Faisalabad, Pakistan



December 2022 - August 2023

- Through this platform, I educated the youngsters on road and food ethics.
- Conducted influential webinars and campaigns, guiding students on their social rights and responsibilities.

SOFTWARE ENGINEERING SOCIETY (SEC)



Faisalabad, Pakistan



December 2022 - August 2023

- Engaged society member at National Textile University, **leading dynamic programming events**.
- Tested and enhanced leadership and programming skills through several assessments.

PROJECTS

BACHELORS PROJECTS

CI/CD PIPELINE WITH AZURE DEVOPS & AWS

- Configured a CI/CD pipeline for **Maven-based** app using Azure & AWS with **SonarQube** for code quality, **Docker** for containerization, and **AKS** for deployment.

AZURE DEVOPS CI/CD PROJECT

- Built a CI/CD pipeline for a containerized voting app with microservices, automating image builds and deploying to AKS via ArgoCD.

STREAMLIT CHATBOT WITH HUGGING FACE LLM

- Developed a Streamlit chatbot with **Hugging Face Mistral-7B** using **Python**, integrating web search via SerpAPI, containerized with Docker, and deployable on Kubernetes

SPEECH ARTICULATION RECTIFICATION

- Developed the **Final Year Project** for **Speech Articulation Disorder** to assist those with unclear speech.
- It utilizes **Machine Learning** for Speech Rectification.
- **Tools & Technologies** (Google Colab, Android Studio, Python, PyTorch, Kotlin, Firebase Database, BERT Model)

E-COMMERCE WEBSITE

- I played a key role in the development of an e-commerce website.
- My focus was on optimizing product discovery and purchase processes to create an enhanced user experience
- **Tools & Technologies** (Bootstrap, JavaScript, HTML5, CSS, PHP, MySQL Database, Visual Studio Code, and XAMPP Server)

TEXT SUMMERIZATION APPLICATION

- Transform long text into short snippets effortlessly.
- Users can customize the app interface for personalized touch.
- **Tools & Technologies** (Python with Spyder, Jupyter Notebook)