









# AAMIR MUHAMMAD

Software Developer






## CONTACT

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-  [Github Profile](#)
-  [Portfolio](#)




## EDUCATION

-  **2018 - 2021**  
FRANKFURT UNIVERSITY OF APPLIED  
SCIENCES, FRANKFURT AM MAIN  
Master of Engineering in IT
-  **2008 - 2012**  
NWFP UNIVERSITY OF ENGINEERING &  
TECHNOLOGY PESHAWAR  
Bachelor of Science in Electrical  
Engineering

## SKILLS

-  Teamwork
-  Effective Communication
-  Critical Thinking
-  Quick Learner
-  Public Relations

## LANGUAGES

-  English (Fluent)
-  German (Intermediate)
-  Urdu (Native)

## PERSONAL PROFILE

I am a full-stack web developer with over 4 years of experience in application development. Currently, I work with the Data Science and Digital Libraries Research Group on the Terminology Service project, where we have developed tools for Ontology Mappings, Semantic Search, and Annotation Services.

## WORK EXPERIENCE

-  **SOFTWARE DEVELOPER | MAR 2022 - PRESENT**  
Leibniz Information Center for Science & Technology (TIB)
  - Developed Semantic Search tool using Python, React.js.
  - Built 40% of the frontend for the TIB Terminology Service.
  - Created CI/CD pipelines for NFDI4ING deployments.
  - Integrated TIB search API with Dataverse for metadata.
  - Assisted in developing Annotation Service and Mapping Tool.
  - Ingest ontologies to the TIB Terminology Service.
-  **STUDENT ASSISTANT | SEP 2019 - DEC 2021**  
Deutsche Börse Group, Frankfurt am Main, Germany
  - To support business and IT departments.
  - Answering calls and opening tickets / interactions.
  - Support the Technical Key Account Manager in their daily work.
  - Help with projects in the field of service management.
  - Maintenance of data in SAP CRM.
-  **FRONTEND DEVELOPER | JAN 2017 - AUG 2018**  
JZZ the I.T Solution (Pakistan)
  - Built responsive web pages compatible across devices.
  - Developed and maintained web services and APIs.
  - Created reusable React components for dynamic UIs.
-  **FIELD SERVICE ENGINEER | MAR 2014 - DEC 2016**  
Alsawary Trading Co. LLC (Dubai)
  - Diagnosis of machinery problems.
  - Resolve malfunctions or other crises when they arise.
  - Overseas repairs and technical improvements.
  - Install new systems and technology.
  - Inspect and test material and machinery for safety.
  - Draft and submit reports.

## HOBBIES

- Jogging
- Table Tennis
- Chess

## TECHNICAL SKILLS

- **Programming languages:** JavaScript, Python, Java
- **JavaScript Framework and Libraries:** React.js, jQuery, ES6, Redux Toolkit
- **Java Framework and Libraries:** Spring Boot
- **TypeScript:** TypeScript
- **Design:** CSS, Bootstrap, Material-UI
- **API integration:** RESTful APIs, JSON, XML
- **Databases:** PostgreSQL, MongoDB
- **Development tools:** IntelliJ IDEA, Visual Studio Code
- **Client Operating Systems:** Linux Mint, Windows
- **Servers:** Debian Servers (Bullseye, Bookworms)
- **Version Control and Collaboration Tools:** Git, GitHub, GitLab, Confluence, Markdown
- **Other Tools and Technologies:** Ansible, Docker, Docker compose, CI/CD pipelines

## ACADEMIC PROJECTS

- Master Thesis “Sensor Application for Autonomous Illumination Control”
- Differentiate between the time signals using Convolutional neural Networks
- Network Slicing in an Emulated Network Environment
- IoT Smart Home – Entry Authorization
- Differentiate among Human, wall and car using Red Pitaya
- Implementation of Save, Test and Load methods for Machine Learning Algorithms
- Bachelor Thesis "Implementation of dynamic channel assignment scheme for Wireless Mesh Networks".
- Design a calculator using 8051 microcontrollers.

## COMMUNITY PROJECTS

- Created a desktop application for a public school in Pakistan using React and Electron.js. The application streamlined data management and enabled efficient search and retrieval of student information.
- Worked with a website development team for Ummat Welfare Trust, a social and welfare organization in Pakistan, contributing to their online presence and community outreach efforts.