# Farrukh Ahmed

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## Education

**Technische Universität Dortmund**                                              Dortmund, DE
 Master of Science, Data Science.                                                      Present
**NED University of Engineering and Technology**                                 Karachi, PK
 Bachelor of Science, Computer Science.

## Technical Skills

**Programming Languages:** Python, Java, C#, R, JavaScript
**Frameworks:** Spring Boot, Spring Cloud, ASP.net Core, Angular, React
**Cloud/Other Technologies:** Microsoft Azure, AWS, Docker, CICD, Jenkins, Git
**Operating Systems:** Microsoft Windows, Linux, macOS
**Databases:** MariaDB, MSSQL, MySQL, Azure Storage
**Packages:** Scikit-Learn, Numpy, Pandas, Matplotlib, Jupyter Notebook
**Statistics/Machine Learning:** Statistical Learning, Linear/Logistic Regression, Supervised/Unsupervised Algorithms

## Experience

**GroupM**                                                                      Düsseldorf, DE
**Working Student Software Developer**                                       April 2023 –Present
- Designed and developed a comprehensive API for authenticating and authorizing both internal and external users within the company, resulting in an almost 40% reduction in boilerplate code.

**Foryouandyourcustomers Gmbh**                                                   Essen, DE
**Working Student Software Development Engineer**                        April 2021 – January 2023
- Collaborated with client Lapp Group to create an e-commerce platform, assuming the role of a frontend developer, and effectively completed all frontend tasks using Spartacus storefront.
- Built restful APIs using Java spring to customize commercetools backend.

**Systems Limited**                                                                Dubai, AE
**Senior Software Engineer**                                          July 2019 – September 2020
- Outsourced by Systems Limited to Etisalat Dubai, engineered a transformative initiative aimed at modernizing a costly-to- maintain legacy project, utilizing Spring Boot and the Angular framework, resulting 100% reduction in the cost new change requests for the project.
- The revamped project, tailored for use by Etisalat's customer support staff, delivered significant annual cost savings of 5 million AED. Furthermore, its in-house development allowed for seamless customizations, enhancing the company's operational efficiency.

**Bluezorro**                                                                     Karachi, PK
**Software Engineer-II**                                               October 2017 –June 2019
- Collaborated with Quotient Inc. to modernize Coupons.com, employing the latest technology stack. Orchestrated the planning and enhancement of the newer version of Coupons.com using Spring Cloud and Angular framework.

**Techlogix Pvt Limited**                                                         Karachi, PK
**Software Engineer**                                              December 2015 –September 2017
- As a Full-stack Developer, conceptualized and coded cloud-based mobility solutions that successfully addressed sales and distribution operations. Which achieved operational improvements by eliminating 100% of paperwork and streamlining processes in the retail and microfinance sectors.

## Projects

**Styrian Health Data Analysis:** In this project, examined data from the Styrian health exhibition and applied linear regression and decision trees to explain the blood pressure of participants with respect to other variables.

**Stock Predictive Modeling and Analysis:** Utilizing Google's assistance to quantify search behaviour semantics, employed a trend dataset for predicting Karachi Stock Market behaviour.