Muhammed Sihebi

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EDUCATION

2022 - Present **Technical University of Darmstadt,** MSc Computer Science
- Expected graduation in October 2024
- Focus on AI and NLP-related courses

2022 - 2022 **Re:Coded, Non-Profit Organization,** Web Development Bootcamp
- Curriculum developed by Flatiron School, voted the World's Best Coding School in 2020
- 5-month international immersive web development bootcamp
- Topics include Databases, Security, Testing, Architecture, Cloud Computing
- Project based learning by working with multiple teams to implement web applications

2017 - 2022 **Turkish-German University,** BSc Computer Science
- GPA: 3.98/4.00 (University Rank: 2/500+)
- Dissertation on QA systems for medium- or low-resource languages with Transformer models
- Focus on AI, Machine and Deep Learning, Data Science, Databases, Software Engineering
- German Language Studies (one year)

2017 - 2024 **The German Academic Exchange Service (DAAD)** Scholarship
- Awarded for an initial period of five years based on outstanding academic potential and extended for an additional two years due to sustained high performance during the initial period

WORK EXPERIENCE

2022 - 2023 **Project Intern, UKP-SQuARE, Researcher/Developer, Darmstadt**
- Implemented an innovative method for real-time information retrieval
- Collaborated with a team of skilled master's students to complete the project
- Presented the results of our work and prepared a comprehensive written report for submission

2021 **Summer Intern, SmartPulse Technologies, Software Development, Istanbul**
- Successfully completed two web projects with React, C#, Entity Framework Core and SignalR, further developing my web development skills
- Implemented new features in the company's main service, improving its performance and usability
- Gained knowledge of development process, agile and scrum methodologies via hands-on experience using Asure DevOps

PROJECTS & PROGRAMMING EXPERTISE

2022 **Thesis, Span-Extraction QA Systems Overview, Turkish-German University**
- Implemented a complete span-extraction QA pipeline, experimenting with several pre-trained models from the Huggingface such as M-BERT and XLM-R

2022 **Pebblework, A Volunteer Event Organizing Platform, Re:Coded**
- Developed a full-fledged RESTful API using Express.js and MongoDB and Firebase as databases
- Learned professional development practices
- Demonstrated leadership skills while solving problems within a team of five backend developers

2022 **Tithenai, Theses Publication Web App, Turkish-German University**
- A web app developed with React.js and Express.js using Firebase as a database

2021 **BF1Karte, Data Mining Project, Turkish-German University**
- Utilized a variety of ML models & XAI techniques to achieve high performance with limited data

SKILLS & INTERESTS

Languages	English (fluent), German (CEFR C2), Arabic (native), Turkish (CEFR B2)
Technologies/ Tools	Python, Java, JavaScript, SQL, React.js, Express.js, Vue.js, Node.js, .NET Core, Version Control with Git, Docker, Azure DevOps, MongoDB, Bootstrap, Firebase, MySQL, Tensorflow, JavaFX, SQL Server Management Studio, Unity 2D, C/C++, Kotlin, XML/JSON, MVVM, MVC, MATLAB, HTML5, CSS
Interests	AI-driven applications, Economics, Modern Literature, Football, Strategic Games