

Ahmed Ben Tourkia

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Profile

Computer Science student specializing in **Data Engineering** with strong interest in **data analysis, ETL pipelines, and software development**. Hands-on academic project experience in data warehousing, back-end development, and dashboard creation. Currently seeking an **internship in Germany** to gain practical industry experience and contribute to real-world projects.

Technical Skills

Programming Languages: Python, Java, JavaScript, MATLAB, R

Web / Backend: Django, HTML, CSS, Bootstrap, Vue.js, Node.js

Data Engineering: dbt, ETL/ELT, Data Warehousing, Databricks

Databases: PostgreSQL, MySQL, MongoDB

Tools / Methods: Git, Scrum, Cursor

Cloud: Azure

Projects

Data Warehouse Project (Bikeshop)

Sep 2025 – Jan 2026

PostgreSQL, dbt, SQL, Git

- Designed and implemented a multi-layer Data Warehouse (Staging, Integrated, Star Schema) integrating two operational systems.
- Developed incremental ETL models in dbt and built dimensional fact tables for analytical workloads.
- Implemented SCD Type 2 for product history and consolidated customer data across systems.
- Worked in a Git-based branch workflow.

Web-based Learning Management System (HANS)

Apr 19, 2022 – Jul 30, 2022

Python, Django, HTML, CSS, JavaScript, PostgreSQL, Git, Bootstrap

- Co-developed a full-stack web application to manage exercise groups, submissions, grading, and performance tracking for university courses.
- Implemented group preference collection and automated allocation logic to optimize tutorial assignments.
- Designed administrative interfaces for result management and real-time student progress tracking.
- Built data visualization components to present performance metrics and analytics.
- Project ranked **1st place** among Software Engineering internship teams.

Data Analysis & Interactive Dashboard Project

Mar 01, 2024 – Aug 31, 2024

Python, Plotly, Streamlit, MySQL

- Developed interactive data visualizations and analytical dashboards to explore and present business data insights.
- Built dynamic charts and filtering mechanisms to enable real-time data exploration.
- Integrated visualizations into a dashboard application with a focus on usability and clear information design.

Education

B.Sc. Computer Science – Focus on Data Engineering

Sep 2023 – Present

Ostfalia University of Applied Sciences

Computer Science Studies

Oct 15, 2018 – May 2023

Technical University of Braunschweig

Tunisian National Baccalaureate – Mathematics Section

Languages

Arabic (Native), French (Fluent), English (Fluent), German (Advanced)