



# Abdirahman Muse

Computer Science

## Skills

- Programming Languages: C++, C, Python, JavaScript
- Web Development: HTML/CSS, Tailwind CSS, React, Node.js
- Databases & Tools: MySQL, Tableau, SQL, Maple
- Data Science: Pandas, Scikit-learn, Statistical Analysis

## Certifications

- Google Data Analytics Professional Certificate (Coursera) | Sep 2023
- Data Analytics Essentials (Cisco Networking Academy) | Aug 2024
- Introduction to Data Science (Cisco Networking Academy) | Aug 2024
- Responsive Web Design Certification (freeCodeCamp) | Aug 2024

## About Me

Motivated final-year Computer Engineering student at Istanbul Arel University seeking a compulsory internship to gain practical experience in software development, AI, and system design. Passionate about web technologies, AI-driven solutions, and data science, with strong problem-solving and analytical skills.

## Projects

### Library Database Management System

- Designed a relational database using SQL and implemented a CRUD interface with Python for efficient book tracking, user management, and transaction logs.
- Optimized query performance by 30% through normalization.

### Download Simulator (Multi-Processing)

- Developed a concurrent ad download simulator in C++ using multiprocessing techniques to handle 100+ simultaneous requests.
- Achieved a 40% reduction in latency compared to single-threaded approaches.

### Diabetes Prediction Model (Machine Learning)

- Trained and evaluated 5+ ML models (e.g., SVM, Random Forest, Neural Networks) on a diabetes dataset using Python (Pandas, Scikit-learn).
- Achieved 89% accuracy with a Gradient Boosting Classifier; visualized insights using Tableau.

## Education

B.Sc. Computer Engineering  
Istanbul Arel University (2021 – 2025, Expected)

## Contact

(544) 100-9345  
abdirahmanmuse21@gmail.com  
Istanbul, Türkiye  
<https://abdirahmanportfolio.vercel.app/>