

# Bashir Adam

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## Professional Summary

Motivated software engineering student with hands-on experience in Python development and a strong foundation in web development, data analysis, and software optimization. I am passionate about developing innovative AI-powered tools to simplify tasks and amplify productivity. Dedicated to learning and contributing to projects that empower individuals and businesses by leveraging cutting-edge technologies like AI chatbots, content writing, and image generation, while enhancing my skills in a collaborative and forward-thinking environment.

## Education

**Ostim Technical University**, BS in Software Engineering

(Ankara/Türkiye)

Sept 2021 – present

**Coursework:** machine learning And Artificial Intelligence, data science, Analysis of Algorithms, Computer Architecture, Comparison of Learning Algorithms, C, C++, Database Management, Python Programming, data mining.

## Projects

### Professional Portfolio Website project

- **Technologies:** React.js, Tailwind CSS, JavaScript
- Built a modern portfolio website to display projects, education, and achievements.
- Integrated smooth scrolling, animations, and optimized performance for enhanced user experience.
- Deployed the project using Vercel to ensure accessibility.

### Predictive Model for Shoe Price Estimation project

- **Technologies:** Pandas, Matplotlib and Seaborn, TensorFlow, Weka
- Developed a machine learning model to predict the price of shoes based on attributes like brand, material, color, and category. This model aimed to support businesses in the footwear industry by enhancing pricing strategies, improving profitability, and optimizing customer targeting.

### Product Listing Optimization using Merge Sort and Quick Sort project

- **Technologies:** Python, **Algorithms:** Merge Sort, Quick Sort, Pandas, Matplotlib, Git
- **Objective:** Optimized product listing for an e-commerce platform by sorting a dataset of product records based on sales volume and user ratings. Implemented and compared Merge Sort and Quick Sort algorithms to evaluate their performance on sorting large datasets and ensuring faster product listing optimization.

### Blog Management System project

- **Technologies:** Python, Django, SQLite
- Developed a fully functional blog platform with Django, enabling users to create, edit, and delete blog posts.
- Implemented user authentication and role-based access control to manage admin and regular users.
- Designed dynamic templates using Django's templating engine for an intuitive user interface.

## Volunteering

- **Tadamun Organization for Relief & Development.**

20 NOV 2019 – 26 AUG Nyala, Sudan

Working to assist in implementing charitable projects under the project management department of the organization.

- **Wikimedia Community User Group**

28 DEC 2024- PRESENT

Contributing to bridging the digital gap in online content about Sudan and African continent through Wikimedia foundation project platform that support free and open digital content.

## Technologies

- **Languages:** C++, C, python, oop, JavaScript, Django, Flask, React.js, Git, GitHub
- **Technologies:** .NET, Xcode, VS code, ChatGPT, Matlab, Linux – mac – windows, MS Office. Clean Code,
- **AI/ML Tools:** Basic interdiction to TensorFlow, Basic interdiction PyTorch, Basic interdiction Scikit-learn
- **Data Skills:** SQL, Pandas, NumPy, data cleaning, visualization.
- **Cloud Services:** Google Cloud AI tools.
- **Documentation:** Technical Documents | Architecture | Tech- Standards | Team Policy
- **Leadership:** Reliability | Prioritization | Communication |Feedback| Strategic thinking | Creativity | Positivity | Agil
- **Other:** Knowledge of algorithms, data structures, and optimization techniques.

## Language

English (fluent)

Arabic (First language)

Turkish (Intermediate)