Omer Erturk

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EDUCATION

Bachelor of Science in Computer Science   **2024 - 2027**
University of Texas at Dallas   GPA: 3.79/4.0

WORK EXPERIENCE

Software Developer Intern   **11/2024 – 02/2025**
Adroitco   Frisco, TX

- Designed a management system for HR using Django and JS, supporting **50+ employees** through departments.
- Improved sites refresh time by **18%** by optimizing data retrieval and processing in the filtering system.
- Increased HR teams efficiency by designing a **dynamic filtering** for employee records within the in-house HRMS.
- Assisted in deploying the HR software on AWS, scaling the system to handle **2,500+ potential users** securely.

Member Services Representative   **08/2023 – 11/2024**
City of Allen   Allen, TX

- Streamlined contracts and registrations in ACTIVE software, reducing **front-desk processing time by 30%**.
- Conducted **20+ tours per month** for prospective members, improving conversion rate and membership growth.
- Drove engagement in initial operations by promoting programs, contributing to membership growth.

Research Intern   **06/2023 – 07/2023**
University of Texas at Dallas   Richardson, TX

- Worked on NLP concepts, implementing techniques such as tokenization, POS tagging, and sentiment analysis.
- Created a Python web scraper and bigram analyzer (BS4/NLTK) to uncover patterns across large datasets.
- Worked with professors to refine AI-driven language models, improving accuracy of sentiment analysis.

PROJECTS

NoBias | *Python, Django, NLTK, Transformers, Tensorflow*   **11/2023 – 05/2024**

- Founder and product manager of a program that detects bias in news articles through NLP and trained models.
- Built a pipeline with 77% model accuracy for classifying bias, enabling real-time feedback for end-users.
- Implemented a frontend interface for user interaction, allowing simplistic real-time bias analysis.

Shopify Storeowner Page | *JavaScript, React, Node, Remix, Shopify API*   **12/2024 – 02/2025**

- Developed a highly customizable shop settings page on Shopify, enabling store owners to tailor configurations.
- Optimized performance with Remix, TypeScript, and Shopify APIs for improved UX and scalability.
- Streamlined backend interactions using efficient server-side rendering and dynamic routine.

Health App | *Swift, Firebase, ChatGPT API*   **02/2023**

- Developed an AI health app enabling patients to track medications and doctors to prescribe treatments.
- Integrated Firebase database, ensuring efficient management of patient and prescription records.
- Implemented an AI system to provide intelligent, context-aware assistance for both doctors and patients.
- Ranked as a finalist in the Axxess Hackathon 2025 at UTD

TECHNICAL SKILLS

Languages | Python, JavaScript, Java, C++, SQL
Frameworks & Libraries | React, Django, Node.js, Tensorflow, Transformers, NLTK
Developer Tools | Git, Visual Studio Code, AWS, Linux, Shopify API, Docker, NumPy
Achievements/Certifications | AWS Solutions Architect - Associate, Academic Excellence Scholarship, AP Scholars