AYDIN EFENDI

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Education

University of Warwick   **Sep 2024 – Jun 2028**
Computer Science/Cybersecurity   *Coventry, UK*

Work Experience

Senswise.co   **Feb 2024 – Aug 2024**
Software Engineering Intern   *Hybrid*

- Collaborated with Senior Software Engineers to **fine-tune an Open Source BERT model for sentiment analysis**, leveraging techniques like **LoRA**, which reduced fine-tuning time by **30%**, optimizing the model's performance on limited hardware resources
- Conducted **unit tests** using **Python** to ensure code functionality and reliability across multiple components of the application
- Performed **end-to-end testing** using **Playwright**, rigorously validating user workflows and integration points to improve overall product quality
- Assisted in the development of a feature that enabled users to **download the Analytics dashboard** and automatically generate a **PowerPoint presentation with dynamically written content**, allowing internal stakeholders to easily review and present key statistics

Projects

VoiceNote AI | *Website* | *Source Code*   **HTML | CSS | JavaScript | Python | SQL | API**

- Engineered a comprehensive **SaaS** application with a **JavaScript, HTML, and CSS** frontend, allowing users to **record audio** and transcribe it using the **OpenAI API**, enabling real-time querying and interaction with the audio content
- Implemented a scalable **Flask** backend in **Python**, integrated with a **Postgres** database for efficient storage and management of audio files, and developed **RESTful API** endpoints to ensure seamless data retrieval and processing.
- Developed an additional **Chrome extension** feature to facilitate quick audio recording directly from the browser, enhancing user convenience and accessibility

Technical Skills

Languages: Python, SQL, HTML, CSS, JavaScript, C

Developer Tools: Postman, Git, Jira

Libraries/Frameworks: AWS, PyTorch, PostgreSQL, Flask, Docker, Playwright, SQLite