

# AYDIN EFENDI

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## Education

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### University of Warwick

*International Foundation Programme (IFP) Computer Science*

Sep 2024 – Jul 2025

*Coventry, UK*

## Work Experience

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### Senswise.co

*Software Engineer Intern*

Feb 2024 – Aug 2024

*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

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### 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, ensuring 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

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

**Developer Tools:** Postman, Git

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