

# Kaan Dogan

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## EDUCATION

### University of Edinburgh

Bachelor of Engineering in Computer Science

Edinburgh, UK

Sept. 2024 – May 2028

### Broughton High School

Scottish Highers (AAAAA)

Edinburgh, UK

Sept. 2021 – May 2024

## PROJECTS

### LectureMate | React, TypeScript, Firebase, Vite, Python

March 2025 – Ongoing

- Architected a modern web application enabling university students to efficiently access and organize lecture materials across multiple courses.
- Engineered a scalable Firebase Storage integration that securely manages PDF retrieval with optimized data fetching, reducing load times by 40%.
- Designed an intuitive UI with Tailwind CSS and Headless UI components using a term/course/week hierarchy that streamlines content discovery.
- Implemented a custom PDF viewer with dynamic content loading and caching mechanisms, significantly enhancing application performance.
- Deployed to Firebase Hosting with comprehensive CORS configuration and security rules, ensuring cross-platform compatibility.

### Personal Portfolio Website | HTML, CSS, JavaScript

January 2025

- Designed and developed a responsive portfolio website from scratch using vanilla JavaScript and CSS3 for showcasing projects.
- Created a dynamic theme system with smooth transitions between light/dark modes, persisting preferences via localStorage.
- Built an intuitive navigation system with hamburger menu for mobile devices, ensuring optimal experience across all screen sizes.
- Integrated social media links, downloadable CV functionality, and interactive project cards with hover effects and animations.

### CRM System | Python, SQL

February 2024 – May 2024

- Developed a fully functional Customer Relationship Management system simulating a bank's interface for managing 1,000+ accounts.
- Implemented CRUD functionality for customer records, including transaction history and balance management using Python.
- Utilized MySQL for efficient data storage with optimized queries to ensure faster access to critical customer information.
- Designed an intuitive UI allowing seamless system interaction, ensuring user-friendly experience despite complexity of the system.
- Ensured data integrity through comprehensive error handling, input validation, and robust security features for sensitive data.

## AWARDS

### HackTheBurgh 2025 Winner

March 2025

University of Edinburgh

Edinburgh, UK

- Won first place at HackTheBurgh XI, Scotland's biggest hackathon, competing against 300+ students.
- Developed "On The Right PATH", an innovative solution to simplify course selection for University students.
- Created a modern web application using Next.js, Tailwind CSS, and Python to transform complex course data into an intuitive interface.

## SKILLS

**Programming Languages:** Java, Python, SQL (MySQL), JavaScript, HTML/CSS, Haskell, Flutter/Dart.

**Developer Tools:** Git, VS Code, Visual Studio, PyCharm, Cursor, IntelliJ.

**Libraries:** TkInter, Matplotlib, OpenCV, NumPy, MySQL.

**Spoken Languages:** Turkish (Native), English (Advanced).