

Harun Tontus

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EDUCATION

Swansea University

Bachelor of Science in Computer Science

Swansea, Wales

Sept. 2022 – July 2025

- Graduated with First Class Honours
- Key Modules & Achievements:
- Web Service Development (82%): Designed and developed RESTful APIs using Spring Boot.
- App Development (84%): Developed android applications using Kotlin.
- Algorithms (75%): Strong understanding of algorithmic complexity and optimization.
- Database Systems (72%): Experience with MySQL and database normalization techniques.
- Data Science Project (94%): Developed a machine learning model using Random Forest classifiers, achieving high prediction accuracy.
- Machine Learning Assignment (99%): Conducted a CIFAR-100 image classification project using CNN and SVM.

Bassaleg Secondary School

Newport, Wales

A Levels: A* ICT, B Biology, B Chemistry

GCSEs: A ICT, A History, A Biology, B Chemistry, B Physics, B Maths, B English, B Business Studies

EXPERIENCE

Festive Colleague

Winter 2021

Risca, Wales

Tesco Retail Store

- * Provided high-quality customer service in a fast-paced environment
- * Worked collaboratively to solve operational inefficiencies, improving store performance
- * Developed strong problem-solving, teamwork, and communication skills—valuable in software engineering

Website Designer

May 2025 - August 2025

Newport, Wales

Ace Language Services

- * Designed and developed a responsive landing page using HTML, CSS, and JavaScript
- * Deployed using Netlify and configured DNS for the client's domain
- * Implemented SEO strategies to enhance search engine visibility and user reach
- * Built functional contact forms and interactive elements to improve client engagement
- * Collaborated with stakeholders to refine website features and optimise user experience

PROJECTS

Media Review Platform | React, Node.js (Express), MongoDB

July 2025 – Present

- * Built a full-stack web application with a React + JavaScript frontend and a Node.js/Express backend.
- * Implemented user authentication (JWT + bcryptjs) and full CRUD operations for reviews.
- * Designed reusable React components and a responsive UI
- * Deployed frontend on Vercel and backend on Render, using MongoDB Atlas for cloud database hosting
- * Gave me practical experience working with modern web tooling and a real deployment workflow

House Price Predictor | Python, Pandas, NumPy, scikit-learn, XGBoost

July 2025 – Present

- * Developed an end-to-end machine learning pipeline for predicting house prices using the Kaggle House Prices dataset.
- * Performed comprehensive data preprocessing (e.g., missing value imputation, outlier handling, categorical encoding, feature scaling).
- * Conducted in-depth Exploratory Data Analysis (EDA) to derive insights and guide feature engineering.
- * Trained and evaluated regression models (Random Forest, XGBoost), achieving strong predictive performance
- * Documented entire process in a Jupyter Notebook with detailed explanations for reproducibility and clarity.

Quiz Application | Kotlin, Firebase, Firestore, REST APIs

Sept. 2024 - Dec. 2024

- * Built an Android quiz app with secure authentication and cloud storage.
- * Integrated features such as leaderboards, quiz history, and categorised quizzes.

Remindication | *Kotlin, Firebase, Retrofit*

Oct. 2024 – Present

- * Created a medication reminder app designed to improve patient adherence.
- * Utilised Firebase for authentication and Firestore for real-time data management.

Image Recognition Machine Learning Project | *Python, SVM, CNN*

Nov. 2024 – Dec. 2024

- * Conducted a comparative analysis of SVM and CNN for image recognition on the CIFAR-100 dataset.
- * Authored a conference paper detailing methodology and results, achieving a 99% score on the assignment.

TECHNICAL SKILLS

Languages: Java, Python, Kotlin, JavaScript, Haskell, SQL (MySQL), C#, TypeScript**Frameworks:** Spring Boot, Retrofit, Firebase (Auth, Firestore), Express.js, React, React Context API, Material-UI**Databases:** MySQL, MongoDB, Mongoose**Cloud/Deployment:** Vercel, Render, MongoDB Atlas**ML & Data Science:** Pandas, NumPy, Matplotlib, Seaborn, Tensorflow, scikit-learn, XGBoost, Jupyter**ML Models:** Decision Trees, Random Forest, SVM, CNN, PCA, LDA**Tools & Concepts:** Android Studio, Git, IntelliJ, VS Code, PyCharm, Eclipse, Unity, Axios, JWT, **bcryptjs**, CORS, RESTful APIs, Environment Variables