Harun Tontus

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https://github.com/Mints1104

EDUCATION

Swansea University <div align="right">Swansea, Wales</div>

Bachelor of Science in Computer Science <div align="right">Sept. 2022 – July 2025</div>

- **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, scoring highest in the module.

Bassaleg Secondary School <div align="right">Newport, Wales</div>

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 <div align="right">Winter 2021</div>

Tesco Retail Store <div align="right">*Risca, Wales*</div>

- ∗ 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 <div align="right">May 2025 - August 2025</div>

Ace Language Services <div align="right">*Newport, Wales*</div>

- ∗ Designed and developed a responsive landing page using HTML, CSS, and JavaScript
- ∗ Deployed the website with Netlify and configured DNS for smooth domain integration
- ∗ 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 optimize user experience

PROJECTS

Media Review Platform | *React, Node.js (Express), MongoDB* <div align="right">July 2025 – Present</div>

- ∗ Developed and deployed a full-stack web application for reviewing media.
- ∗ Implemented robust user authentication (JWTs, `bcryptjs`) and comprehensive CRUD operations for reviews.
- ∗ Integrated advanced search and filtering, featuring protected routes and a responsive UI.
- ∗ Deployed to cloud platforms: Frontend on Vercel, Backend on Render, Database on MongoDB Atlas.

House Price Predictor | *Python, Pandas, NumPy, scikit-learn, XGBoost* <div align="right">July 2025 – Present</div>

- ∗ 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* <div align="right">Sept. 2024 - Dec. 2024</div>

- ∗ 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#
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