SHAE SEEDAN

Quarry Village, Siparia, Trinidad and Tobago

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Soon-to-be **BSc (Hons) Information Technology graduate** from the University of Bedfordshire, committed to **continuous learning** and **applying** technology to solve meaningful problems. With a strong foundation in **software development**, **systems design**, and **emerging technologies**, I've led and contributed to projects that focus on **efficiency**, **safety**, and **accessibility**. I bring a positive attitude, solid technical knowledge, and an intrinsic drive to deliver **quality work** in both **independent** and **team** settings.

Education and Certifications

University of Bedfordshire, Luton United Kingdom (UK) Completed (Level 6: Final)
Bachelor of Science (Hons), Information Technology *September 2025*

Current Standing: On track for First Class Honours (Level 5: 25.44 (1/3 of degree), L6: 2/3 pending)

CTS College of Business and Computer Science **Completed**
CompTIA A+ Certification *11/01/2022*
Web Design Certification *10/15/2022*

Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming (OOP), Software Development Life Cycle (SDLC), Systems Development, Modern Database Management, Networking, Principles of Programming, Peopleware, Agile Project Management, User Experience (UX) Design, Web Technologies & Platforms, Virtual Machines & Operating Systems, Data Science (Information Retrieval (IR), Natural Language Processing (NLP), Machine Learning (ML)), Research Methodologies & Emerging Technologies

Familiar Technologies

Languages & Scripting	Python, Java, PHP, JavaScript, SQL, HTML/CSS
Frameworks & Tools	Laravel (Model, View, Controller (MVC) Architecture), OOP, Node.js, Bootstrap, Tailwind, Oracle APEX
Software & Dev Tools	Visual Studio Code, PyCharm, Qt Designer, Git, GitHub, Composer, NPM
Database Management	MySQL, SQLite, phpMyAdmin, Eloquent Object Relational Mapping (ORM)
System Design and Prototyping	Visual Paradigm, Figma, Blender
Operating Systems & Virtualization	Windows, Linux, Oracle VM VirtualBox

Software Projects

hoMed: A Localized Cancer Support Platform *Thesis Project*
Research Methodologies & Emerging Technologies | Undergraduate Project *September 2025*

Developing **hoMed**, a **patient-focused** digital platform aimed at **streamlining cancer-related resources** while prioritizing **equitable access**, **risk management**, and **digital health innovation**. Utilizing **Agile** practices and **human-computer interaction** (HCI) design to improve access and support for patients and caregivers. Leveraging **data-driven insights**, **NLP**, and **community engagement** to bridge gaps in healthcare accessibility, with the goal of redefining cancer education and support.

Tech Stack: **Laravel, PHP, JavaScript, Git, HTML, CSS, Stripe**

AI-Driven Predictive Maintenance in Oil & Gas *Feasibility Study & Presentation*
Advanced Information Technology *Completed: April 2025*

Conducted a **feasibility study** on **AI-driven predictive maintenance** to enhance **safety** and **operational efficiency** in the **oil & gas sector**. Performed a **technical** and **strategic evaluation** of enterprise platforms including IBM Maximo Predict and Baker Hughes C3 AI Reliability. Delivered a **comparative analysis** report, identified solution gaps, and recommended the most suitable platform based on scalability, integration potential, and industry alignment. **Presented** findings and recommendations to stakeholders through a structured technical presentation.

Skills: **Research & Gap Analysis, Enterprise Solution Evaluation**

References

Available upon request.