

UMAIR SAEED

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WORK EXPERIENCE

Cyber Security Intern <i>WE CLAN</i>	April 2024 - July 2024 <i>Melbourne, VIC</i>
<ul style="list-style-type: none">· Developed a C-based security alert classifier with anomaly detection, reducing false positives by 25%, enhancing real-time data accuracy.· Conducted penetration testing automation using ML-based pattern recognition models, improving threat detection efficiency and aligning with AI engineering practices.· Built dashboard visualizations to monitor compliance metrics using Power BI & Python, streamlining data-driven decision-making processes.	

EDUCATION

DEAKIN UNIVERSITY, Melbourne, VIC Master of Data Science	July 2022 -
BAHRIA UNIVERSITY, Islamabad, VIC Bachelors of Software Engineering	July 2018 -

PROJECTS

AI-POWERED DENTAL APPOINTMENT SCHEDULER	January 2025 -
<ul style="list-style-type: none">· Developed an NLP-driven AI voice assistant by integrating speech-to-text (Whisper API) & text-to-speech (Google TTS), achieving 92% accuracy in automated dental appointment booking.· Engineered a scheduling algorithm using FastAPI, PostgreSQL, and .NET, achieving 100% automation of the booking process, enhancing efficiency.· Deployed the AI model using AWS Lambda & Docker, reducing response time by 30% and ensuring scalability for real-time user interactions.	

AI-GENERATED NO-CODE WEBSITE	February 2025 -
<ul style="list-style-type: none">· Built a fully functional AI-powered website generator using GPT-driven code conversion and C++ for backend efficiency, streamlining website creation.· Integrated an automated demo scheduling system via AI chatbots, reducing administrative workload by 30% and enhancing user engagement.· Increased website traffic by 15% through strategic Google Search Console optimization, improving visibility and user reach.	

LEARNING INSIGHT REPORT	July 2022 -
<ul style="list-style-type: none">· Developed ML models predicting financial stability with 90% accuracy by utilizing XGBoost & Random Forest, providing actionable insights.· Designed interactive Tableau dashboards for audience engagement tracking, enhancing data visualization and user interaction.· Conducted customer segmentation analysis to inform targeted business strategies, improving decision-making processes.	

INTERACTIVE MEDICAL DATA DASHBOARD	October 2021 -
<ul style="list-style-type: none">· Built real-time SQL-connected Tableau dashboards for enhanced medical data visualization, improving data accessibility.· Collected, cleaned, and analyzed large-scale patient datasets, providing statistical insights for medical research.· Assisted in developing predictive models for medical research applications, contributing to healthcare innovation.	

TECHNICAL SKILLS

Programming Languages: Python, C#, C++, C, SQL, PL/SQL
AI and Software Development: AI Engineering, Software Development, Large Language Models (LLMs), Retrieval-Augmented C
Cloud and Database Technologies: AWS, Azure, Oracle Database, Database Indexing & Optimization, ETL, Backup/Recovery,
Tools & Technologies: FastAPI, Flask, Stored Procs, Functions, Triggers, PL/SQL Performance Tuning
Soft Skills: Stakeholder Collaboration, Analytical Thinking, Problem Solving, Time Management, Cross-Functional Teamwork