

Umais Saeed

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EDUCATION

DEAKIN UNIVERSITY
MASTER OF DATA SCIENCE
July 2022 | Melbourne, VIC

BAHRIA UNIVERSITY
BACHELORS OF SOFTWARE
ENGINEERING
July 2018 | Islamabad, VIC

COURSEWORK

GRADUATE

Machine Learning & Deployment
Deep Learning
NLP & AI for Cybersecurity
Analysis of Algorithms

SKILLS

PROGRAMMING

SQL • PL/SQL • .NET
C • C++ • C#
Python • FastAPI • Flask
GEN AI (GPT, Claude, OpenAI APIs)
Model Training & Tuning • CI/CD

TECHNOLOGY

Oracle Database • AWS • Azure
Database Indexing & Optimization
Stored Procs • Functions • Triggers
PL/SQL Performance Tuning
ETL • Backup/Recovery • Data Modeling

SOFT SKILLS

Stakeholder Collaboration
Analytical Thinking
Problem Solving
Time Management
Cross-Functional Teamwork

SOCIETIES

Deakin University Computer Society
(DUCS)
Scrum Alliance Certified ScrumMaster

LINKS

Github:// Umais
Certifications:// Umais
LinkedIn:// Umais



AI ENGINEER | MACHINE LEARNING ENGINEER

AI & ML specialist with expertise in NLP, deep learning, model deployment, and automation. Passionate about building AI-powered solutions that drive real-world impact. Experience in AI model deployment, MLOps, and cloud-based AI applications.

PROJECTS

AI-POWERED DENTAL APPOINTMENT SCHEDULER

PERSONAL PROJECT

January 2025 | Melbourne, VIC

- Developed an NLP-driven AI voice assistant for automated dental appointment booking, integrating speech-to-text (Whisper API) & text-to-speech (Google TTS) with 92% accuracy.
- Designed a scheduling algorithm using FastAPI, PostgreSQL, and .NET, achieving 100% automation of the booking process.
- Deployed the AI model using AWS Lambda & Docker, reducing response time by 30% and ensuring scalability.
- Improved booking accuracy by 30% based on user feedback and model retraining.

AI-GENERATED NO-CODE WEBSITE

PERSONAL PROJECT

February 2025 | Melbourne, VIC

- Built a fully functional AI-powered website generator (www.civaroai.com) using GPT-driven code conversion and C++ for backend efficiency.
- Integrated an automated demo scheduling system via AI chatbots, reducing administrative workload by 30%.
- Increased website traffic by 15% through Google Search Console optimization.

WE CLAN

CYBER SECURITY INTERN

April 2024 – July 2024 | Melbourne, VIC

- Developed a C-based security alert classifier with anomaly detection, reducing false positives by 25%.
- Conducted penetration testing automation using ML-based pattern recognition models, improving threat detection efficiency.
- Built dashboard visualizations to monitor compliance metrics using Power BI & Python.

LEARNING INSIGHT REPORT

RESEARCH PROJECT

July 2022 | Melbourne, VIC

- Developed ML models predicting financial stability with 90% accuracy, utilizing XGBoost & Random Forest.
- Designed interactive Tableau dashboards for audience engagement tracking.
- Conducted customer segmentation analysis for targeted business strategies.

INTERACTIVE MEDICAL DATA DASHBOARD

HUDSON INSTITUTE OF MEDICAL RESEARCH

Oct 2021 | Melbourne, VIC

- Built real-time SQL-connected Tableau dashboards for enhanced medical data visualization.
- Collected, cleaned, and analyzed large-scale patient datasets for statistical insights.
- Assisted in developing predictive models for medical research applications.