

# Umais Saeed

umirsaed1@gmail.com | +61-452024050

## 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.