Full Name

Cranfield University: MSc in Applied Artificial Intelligence
+00 01234 123456
full.name@gmail.com
linkedin.com/in/fulln/
github.com/FullName

PERSONAL STATEMENT

'Applied Artificial Intelligence graduate with experience in Python, C++, web applications, visualization and optimisation.'

A professional with deep interest in artificial intelligence, programming and data science with academic and personal projects to show for it. Skilled in Python, SQL and C++ and able to write clean, maintainable code in fast paced environments. Grasps new ideas quickly and enjoys learning new technical skills. Enthusiastic about the advancements in AI with focus on data analytics and reinforcement learning. Portrays strong leadership skills as proven with several projects and lead roles in the business.

KEY ACHIEVEMENTS

- Developed an AI based system that enhances airport safety using crowd monitoring and social distancing analysis using multi-person human pose estimation. The paper has been presented on the 2000 IEEE International Conference on Multisensor Fusion and Integration for Intelligent Systems (MFI) and published by IEE under the name "Generic AI Related Project Name,". doi: 10.01234/MF0123456.2000.012345678.
- In partnership with BAE Systems, designed an AI powered logistic distribution system that dynamically responds to events in a frontline environment. The applied RL model predicted orders to within 4%.
- Implemented a classification model to predict remaining useful life of aircraft engines. The model used four sensor measurements from hundred aircraft engines and detected engine failure with 98% accuracy.
- Designed and developed a predictive maintenance system for welding fixtures using customer, machine and equipment data. This ensured fixtures got in-house maintenance before customers requested emergency support.
- Applied feature-based graph analysis to flight data from years 2003-2016 and transformed the data into network form. The multi-scale network analysis done gave important insights on which routes are profitable for whichever reasons. The data was collected by OAG and CAPA tools and the analysis was done on Python, SQL and Excel.
- Designed and delivered the conversion of two TIG longitudinal seam welders into Laser welders and increased productivity by 60%.
- Modernised PLC software for a twin longitudinal seam welder to decrease the downtime between welds from 22 seconds to 6 seconds.

EDUCATION

MSc: Applied Artificial Intelligence: Cranfield University, Cranfield, UK (October 2021 - September 2022)

- Relevant Modules: Statistical Learning Methods, Intelligent Cyber Physical Systems, Search and Optimisation, Logic and Automated Reasoning, Data Analytics and Visualisation, Deep Learning, Reinforcement Learning.
- Group Project: Reducing Viral Transmission through AI-based Crowd Monitoring and Social Distancing Analysis. Used crowd-pose features and automated homography techniques along with mask image classification to gauge safety of crowds during pandemics.
- Individual Research Project: Dynamic Distributed Logistics Planning for Autonomous Last Mile Resupply system in partnership with BAE Systems. Said project incorporates a hybrid dynamic distributed capacitated electric vehicle routing problem model to generate the best routes for resupplying troops in the front line.

BSc: Mechatronics Engineering: Bilgi University, Istanbul, Turkey (September 2015 - January 2020)

- Relevant Modules: Algorithms and Programming, Probability and Statistics, Motion Control Systems, Industrial Control, System Dynamics and Controls, Sensors and Actuators, Control Systems Design, Robotic Systems.
- Thesis: Design of a Haptic Glove for Virtual Reality. Designed and built a haptic glove that picks up joint positions and velocities in a VR environment and constraints the users joints to conform to the object being held.