**ERTUGRUL TUNC**  
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**PROFESSIONAL SUMMARY**

Analytical and detail-oriented engineer transitioning into Data Analytics, with hands-on experience in machine design, quality control, and technical reporting. Skilled in Python, SQL, and Excel for data manipulation and visualization. Adept at solving complex problems and turning data into actionable insights. Currently pursuing an MSc in Data Analytics to deepen expertise in data-driven decision-making across engineering and business domains.

,**SKILLS & COMPETENCIES**

Technical Skills:

* Programming: Python (Pandas, NumPy), SQL, MATLAB, C (Basic), Visual Basic (Basic), Linux (Ubuntu)
* Data Analytics Tools: Excel (Advanced), Power BI (Basic)
* Design Software: Inventor, AutoCAD, SolidWorks, Proteus
* Project & Quality Management: Machine part design, Technical drawing, Production monitoring
* Computer Hardware
* Mechanical Systems

Soft Skills:

* Problem-solving & Decision-making
* Project Management
* Analytical Thinking
* Adaptability & Innovation
* Interpersonal Skills
* Organization Skills
* Risk Management
* Project Implementation

**PROFESSIONAL EXPERIENCE**

**BUSSTOP NEWSAGENT | Supervisor | 2022 – Present**

* Managed daily store operations, ensuring smooth workflow and customer satisfaction.

**Military Service | 08/2020 – 08/2021**

* Completed mandatory service, developing leadership, discipline, and teamwork skills.

**ENT MACHINE | Design Engineer | 09/2019 – 07/2020**

* Designed and optimized machine parts, improving assembly efficiency by 15%.
* Prepared technical drawings for production, ensuring compliance with industry standards.
* Collaborated with production teams to oversee manufacturing & assembly processes.

**ANDOLU ISUZU OTOMOTIV FACTORY**

**Turkiye/Kocaeli Quality Control Intern**

**07/2019 – 08/2019**

* Assessed material suitability for production line integration.
* Assisted in fault detection of electrical components, enhancing defect resolution speed.

**ENT MACHINE | Engineering Intern | 08/2016 – 10/2016**

* Supported the design team in technical drawing and mechanical part development.

**EDUCATION**

* **MSc in Data Analytics | CCT College Dublin** (2024 – 2025)
* **BSc in Mechatronic Engineering | Kocaeli University** (2013 – 2019)
* **English Course | ATC Language School, Ireland** (02/2022-2023)

**PROJECTS & ADDITIONAL INFORMATION**

**Machine Learning Models for Stock Market Prediction**

* Developed and compared **SimpleNeuralNetwork, SARIMAX, and RNN** models to predict stock market closing prices.
* Conducted **data preprocessing, feature engineering, and model evaluation** using Python libraries such as TensorFlow, Scikit-learn, and Statsmodels.
* Analyzed **financial time-series data** to provide insights for investment strategies.

**Big Data Storage & Sentiment Analysis in Stock Market**

* Utilized **Hadoop HDFS** and **MongoDB** for big data storage and management.
* Conducted **sentiment analysis** on financial tweets and integrated results with historical stock data.
* Applied **ARIMA, SARIMA, LSTM, and RNN** models to predict stock prices, correlating sentiment trends with financial market movements.

**CERTIFICATIONS**

* Microsoft Office Suite: **Excel, PowerPoint, Word**
* Data Analytics: **Python for Data Science (Self-learning projects)**