

# Mehmet Furkan Akpınar

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## PROFILE

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Recent MSc Computer Science graduate with strong technical expertise in SQL, Python, and Tableau. Experienced in transforming raw data into actionable insights through hands-on projects. Passionate about leveraging data to improve processes and decision-making.

Feel free to check out my portfolio website to see the projects I've worked on: <http://www.mehmetfurkanakpinar.com/>

## SKILLS

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- **Data Analysis and Visualisation:** Proficient in Microsoft Excel (pivot tables, data cleaning, and charts) and Tableau (interactive dashboards). MySQL, Microsoft Excel, Python (NumPy, Pandas, Scikit-learn, SciPy), Tableau
- **Programming:** Python (NumPy, Pandas, Matplotlib, Scikit-learn), SQL.
- **Machine Learning and NLP:** Experience with DistilBERT for text classification and model explainability.
- **Statistical Analysis:** Working knowledge of SPSS, applied in academic projects for hypothesis testing and correlation analysis.

## PROJECTS

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- **“Detecting Suicidal Ideation on Social Media with DistilBERT”** (MSc Computer Science – Dissertation Project)
  - After a comprehensive literature review, built and fine-tuned a DistilBERT model to detect suicide ideation with 97.6% accuracy.
  - Applied data cleaning and preprocessing techniques, including tokenization, null and inconsistent data removal, and text normalisation to improve model input.
  - Analysed attention weights to enhance the model's interpretability and explainability in identifying key patterns in social media posts.
- **“Developing an Online Food Ordering Website (Turkish Palate)”**
  - Developed an online food ordering platform for Turkish cuisine using ReactJS, Node.js, and MySQL. Demonstrated full-stack web development skills, UI/UX design, Database Design&Development and cloud deployment expertise.
  - Link: <https://turkish-palate-1u6y.onrender.com>
- **“The Relationship Between Coronavirus Anxiety, PTSD Symptoms and Collectivist Coping Styles”**
  - Data was collected using a Sociodemographic Information Form, the Coronavirus Anxiety Scale, the PTSD Short Scale, and the Collectivist Coping Styles Inventory.
  - The collected data is analysed via SPSS, and the correlations between variables are evaluated and visualised with graphs.
  - It is concluded that female participants scored significantly higher than men on the PTSD scale (Females:  $\bar{x} = 19.28$ ,  $SD = 8.07$ ; Males:  $\bar{x} = 14.29$ ,  $SD = 7.05$ ;  $p < 0.05$ ).

## EDUCATION

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| • <b>MSc in Computer Science</b><br><i>Birmingham City University, UK</i> | September 2023 – September 2024 |
| • <b>BSc in Psychology</b><br><i>European University of Lefke, Cyprus</i> | September 2018 - July 2022      |

*\*References are available upon request.*