

# ARULSELVAM JEGAN

Email: arulselvam0229@gmail.com    Mobile: +918898205490    [github.com/arulselvam01](https://github.com/arulselvam01)  
Address: 002, C Wing, Vishnu Park, Anmol Garden Complex, Haji Malang Road, Near Essar Petrol Pump, Kalyan East 421306

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## Career Objective

Enthusiastic and detail-oriented MSc Data Science and AI student seeking an entry-level position to apply my knowledge of data analysis, machine learning, and artificial intelligence. Eager to contribute to organizational growth while enhancing my technical and problem-solving skills in a professional setting.

## Academic Profile

<b>M.Sc. Data Science and AI</b> R. J. College of Arts. Science & Commerce College	Present   Ghatkopar, India
<b>B.Sc. in Information Technology</b> South Indians' Welfare Society College	<b>7.23 CGPA</b> 2021 – 2024   Wadala, India
<b>Higher Secondary School</b> Guru Nanak Khalsa College of Arts, Science & Commerce College	<b>53.69%</b> 2019 – 2020   Matunga, India
<b>Secondary School Certificate</b> St Joseph's Convent High School	<b>83.60%</b> 2017 – 2018   Bandra, India

## Technical Skills

- Languages: Python, R, HTML, CSS, Bash
- Frameworks: NumPy, Pandas, Scikit-Learn, Streamlit
- Tools: VS Code, Android Studio, Git, GitHub, Jupyter Notebook, Google Colab, Power BI
- Visualization Libraries: Matplotlib, Seaborn, Plotly
- Databases: SQL, MySQL, MongoDB
- Operating Systems: Windows 10, Ubuntu

## Projects

- Mushroom Classification** | Python, Pandas, Numpy, Matplotlib, Scikit-learn
- Built a predictive model to classify mushrooms as edible or poisonous using Logistic Regression and Random Forest.
  - Preprocessed and visualized the dataset, applying feature scaling and generating insights with scatter plots and histograms.
  - Achieved high model accuracy, evaluated performance using metrics like accuracy score, confusion matrix, and classification report.
- Fake or Real News Detection** | Python, Scikit-learn, NLTK, Pandas
- Developed a machine learning model using a pipeline with text vectorization, TF-IDF transformation, and MLP classifier to classify news as fake or real.
  - Preprocessed and cleaned data, removed duplicates, and handled missing values.
  - Achieved perfect accuracy on test data, demonstrating high model performance in classifying news articles.

- British Airways Data Science** | Python, BeautifulSoup, Pandas, Matplotlib, TextBlob, NLTK, WordCloud
- Completed a simulation focused on the role of data science in British Airways' success.
  - Scraped and analyzed customer review data to uncover key insights and trends.
  - Built a predictive model to identify factors influencing customer buying behavior.

## Certificates

[Python Certificate](#)   [Machine Learning from Great Learning](#)   [Data Science Virtual Experience](#)   [Power BI](#)