

## LIVIN JOSEPH J

22PD20

Gender Male  
Date of Birth 24<sup>th</sup> March 2004  
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### Address

2B, Ramanujam Naidu Street, New Town, Podanur,  
Coimbatore, Tamil Nadu – 641023.

### OBJECTIVE

To obtain a position as an intern for a period of six months from May 2025 to November 2025.

### ACADEMIC QUALIFICATION

Currently pursuing the 3<sup>rd</sup> year of 5-year Integrated M.Sc. Data Science at the Department of Applied Mathematics and Computational Sciences at PSG College of Technology.

### SKILL SET

Languages	Python, C++, C, Java, R, SQL
Libraries and Frameworks	Tensorflow, Django
Tools	Git, Power BI, Gephi

### AREAS OF INTEREST

- Data Analytics
- Data Structures and Algorithms
- Supervised Learning

### ACADEMIC RECORD

- |   |                  |
|---|------------------|
| • <b>M.Sc. Data Science</b>                         | 2022 - 2027      |
| PSG College of Technology, Coimbatore               | <b>9.03 CGPA</b> |
| • <b>XII (Higher secondary, ISC)</b>                | 2022             |
| Nirmala Matha Convent School (ICSE/ISC), Coimbatore | <b>96.40 %</b>   |
| • <b>X (ICSE)</b>                                   | 2020             |
| Nirmala Matha Convent School (ICSE/ISC), Coimbatore | <b>95.00 %</b>   |

### INDUSTRY BASED PROJECT EXPERIENCE

#### Sutherland Global Services | Student Intern

(May 2024- June 2024)

Supported the Platform Solutions Department in a project on real-time restaurant data analysis with Python. This experience greatly enhanced my data analysis skills and practical knowledge.

## ACADEMIC PROJECTS

- **Indian Trade Analysis**

Analyzed the Indian trade dataset (2010-2018) using R, performing EDA to visualize trends. Applied statistical tests (t-test, F-test, Chi-squared) and ANOVA to identify relationships. Developed a regression model for trade prediction and defined confidence intervals for decision-making.

- **Path Finder**

Developed an interactive application using the A\* algorithm to find the shortest route between two locations, integrating GeoAPI for real-time latitude and longitude data. Designed for easy extension with features like real-time traffic updates for further route optimization.

- **College Portal Website**

Developed a comprehensive website for college students, teachers, and department heads using Django for managing application relationships. Implemented Oracle DB for backend storage and used HTML, CSS, and JavaScript for front-end development.

## NON-ACADEMIC PROJECTS

- **Lung Cancer Prediction**

Conducted lung cancer data analysis using linear regression, decision trees, and statistical tests (chi-square, F-test, ANOVA). Created visualizations to explore patterns, providing insights into lung cancer predictors and trends.

- **Eulerian Circuit Finder**

Created an interactive tool using Python's pyvis for graph visualization. Utilized Dijkstra's algorithm for shortest paths in non-Eulerian graphs and Hierholzer's algorithm to find and dynamically highlight Eulerian circuits.

## EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- As a **Placement Representative**, organized placement activities and assisted students in securing job opportunities.
- Organized **Data Premier League 2024**, an intra-college level data visualization and prediction competition.

## DECLARATION

I, Livin Joseph J, do hereby confirm that the information given above is true to the best of my knowledge.

Place: Coimbatore

Date: 31/3/2024

Livin Joseph J