

# Thuraka Ajay

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## SKILLS

- **Languages:** C, C++, Python, Java
- **Web Technologies:** HTML and CSS, Java Script, Rest APIs
- **Libraries:** NumPy, Pandas, Matplotlib, Seaborn
- **Tools/Platforms:** MySQL, SQL Server, Git/GitHub, Power BI, Tableau, Excel, Power Query, Jupyter Notebook
- **Soft Skills:** Analytical Thinking, Problem-Solving, Teamwork, Time Management

## PROJECTS

### Electric Vehicle Sales Dashboard :

Sep'2025

- Designed and developed an interactive Power BI dashboard to analyze EV sales across Indian states, visualizing trends by region, vehicle type, and category for market insights.
- Performed data preprocessing and transformation using Python and SQL to ensure clean and reliable datasets before dashboard integration.
- Generated insights on state-wise EV adoption to identify emerging markets and areas for policy improvement.

**Tech:** Power BI, Power Query, DAX, Excel performance analysis, enabling better business decision-making

### World– Happiness–Analysis:

Present

- Built a World Happiness Predictive Analysis system using Python and machine learning to analyze key socio-economic factors influencing global happiness scores.
- Implemented Linear Regression, Decision Tree Classification, and K-Means Clustering with proper data preprocessing using Scikit-learn pipelines..
- Performed exploratory data analysis and visualization to extract insights and evaluate model performance using R<sup>2</sup>, RMSE, Accuracy, and F1-score.
- Successfully deployed the project on GitHub with proper logging, monitoring, and basic optimization, ensuring smooth installation and easy execution for users. **Tech:** Python, Flask, REST APIs, HTML, CSS, JavaScript

## TRAINING

### Mastering DSA - Centre for Professional Enhancement, LPU

July'2025

- Completed intensive DSA training focused on problem-solving, performance optimization, and complexity analysis.
- Gained hands-on experience implementing core data structures through structured exercises and coding challenges.
- Improved efficiency in writing optimized algorithms using iterative, recursive, and Big-O analysis techniques.

**Skills covered:** Arrays, Linked Lists, Stacks, Queues, Trees, Graphs, Sorting & Searching, Algorithm optimization.

## CERTIFICATES

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|--|---------|
| • Data Analytics Job Simulation   Deloitte                                     | Nov' 25 |
| • Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate   Oracle | Sep' 25 |
| • Master Generative AI & Generative AI tools   Udemy                           | Aug' 25 |
| • Cloud Computing   NPTEL  | Apr' 25 |
| • Introduction to Hardware and Operating Systems   Coursera                    | Sep' 24 |
| • The Bits and Bytes of Computer Networking   Coursera                         | Sep' 24 |
| • Computer Communications Specialization   Coursera                            | Aug' 24 |

## ACHIEVEMENTS

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<b>Hack-IoT Hackathon   LPU</b>	Feb' 24
Secured a Top 10 Finalist position in the Hack-IoT Hackathon	

## EDUCATION

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• <b>Lovely Professional University</b>	Phagwara, Punjab
Bachelor of Technology - Computer Science and Engineering; <b>CGPA: 6.08</b>	Since Aug'23
• <b>Race IIT&amp; Medical Academy:</b>	Telangana
Intermediate; <b>Percentage: 70%</b>	Jun' 22 – Mar'23
• <b>Siddartha High School</b>	Telangana
<i>Matriculation: CGPA: 10</i>	Mar'2021