

THARUN KUMAAR U

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SUMMARY

Motivated IT enthusiast seeking an internship or full-time opportunity in UAE’s tech sector. Passionate about data analysis, beginner-level Flutter-Firebase mobile app development, and website development. Currently holding a UAE resident visa valid until December 2025, eager to contribute to a dynamic team and expand technical expertise.

WORK EXPERIENCE

OOMMAA Group of Companies [Internship - Onsite]

Jan 2025 - Present | Dubai, UAE

Mobile App Developer

- Designing a cross platform application for android & ios using flutter - dart programming.
- Designing a responsive UI using Flutter’s widget system.
- Implementing state management.

Social Media Manager

- Designed eye-catching posters using Canva for Facebook content.
- Managed and optimized boosted Facebook ads to increase reach and engagement.
- Leveraged social media metrics to refine advertising strategies.

LEARNING EXPERIENCE

Research student

July 2023 - September 2023

Multicoreware inc - Student Cluster Chapter

Kalasalingam Academy of Research and Education

- Developed real-time object detection algorithms using OpenCV and TensorFlow, boosting vehicle perception.
- Integrated sensor data via ROS to achieve robust sensor fusion.
- Optimized computer vision models for enhanced accuracy and overall vehicle safety.

Network Configuration and Management Trainee

December 2023 - April 2024

Assisted in Networking Setup

Elysium Academy Pvt Ltd, Madurai, India

- Assisted in configuring routers and switches using Cisco Packet Tracer, supporting efficient network setup.
- Contributed to network optimization through router configuration, VLAN setup, and switch management.
- Gained hands-on experience in troubleshooting and maintenance, ensuring improved network performance and stability.

EDUCATION

B Tech, Computer Science and Engineering

2022 - Present

HSC

2021 - 2022

Kalasalingam Academy of Research and Education | CGPA: 8.25

Amrita Vidyalayam - CBSE

◦ Specialization in Data Analytics

◦ Mathematics and Computer Science

Associate Diploma,

2024 - Present

SSLC

2019 - 2020

Information and Communication Technology in Business

Amrita Vidyalayam - CBSE

Pacific Link College - RAK Campus, United Arab Emirates

◦ Mathematics and Science

PROJECTS

- **Pizza Sales Analysis**
 - Developed a Linear Regression model using Python to predict total_price (INR) from the provided dataset.
 - Executed comprehensive data cleaning and ETL processes to optimize dataset quality for accurate analysis.
 - Leveraged data visualization techniques to clearly communicate insights and model performance.
- **Visualization Charts**
 - Processed and cleaned global datasets using Python ETL techniques.
 - Visualized key metrics with 10 distinct graphs using Python data visualization libraries.
 - Applied robust data cleaning to ensure accuracy across population, GDP, and other critical indicators.
- **ATM Project**
 - Developed a Python application integrated with MySQL for efficient data management.
 - Leveraged Spyder IDE for streamlined coding, testing, and debugging.
 - Implemented robust SQL queries to facilitate seamless data extraction and manipulation.
- **Networking Configurations**
 - Configured and managed network devices (routers, switches) using Cisco Packet Tracer.
 - Implemented dynamic routing and IP protocols to optimize network performance.
 - Set up and maintained VLANs (access & trunk mode, INTER-VLAN) and Spanning Tree for network reliability.

KEY SKILLS

1. **Programming Languages:** Java, Python, Dart
2. **Frontend Development:** HTML, CSS
3. **Databases:** MySQL
4. **Data Analysis:** Data preprocessing, PowerBI
5. **Data Visualization:** Data visualization techniques, Google Colab
6. **Mobile App Development:** Flutter, Firebase
7. **Networking:** Router and switch configuration, network protocols, Cisco Packet Tracer
8. **Developer Tools:** Visual Studio, Anaconda, Putty
9. **CAD Tool:** Onshape
10. **Other Skills:** DataStructures and Algorithms

CERTIFICATIONS

- Certificate of Merit (24hrs- Hackathon at TechX Jeppiaar Institute of Technology Madras)
- Completion of Data Science using Python - Top EngineersX Indian Institute of Technology Madras
- CCNA Implementing & Administering CISCO SOLUTIONS (200-301) - Elysium Academy Pvt Ltd
- Completion of HTML & CSS - Guvi Certified
- Completion of Python - Perfect E-Learning

ACHIVEMENTS

- Secured **1st** place and a cash prize of **₹10,000** in a 24-hour hackathon at Jeppiaar Institute of Technology, developing an AI-Driven Crop Disease Prediction and Management System using deep learning models, CNN and Streamlit