





# THARUN KUMAAR U

B Tech Computer Science and Engineering  [portfolio](#)

Currently pursuing a B.Tech in Computer Science and Engineering with a specialization in Data Analytics at Kalasalingam Academy of Research and Education. Currently enrolled in a semester exchange program on Information and Communication Technology in Business at Pacific Link College - RAK Campus. Passionate about Data Science and committed to becoming an impactful data scientist.



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Python | Java | MySQL | PowerBI | HTML | CSS | Operating System Installation | Putty | Documentation | Team Development

## PROJECTS

### Research

- **Research Student, MultiCoreWare (Jul 2023 - Sep 2023)**

- Focused on integrating camera, lidar, and radar data to enhance autonomous vehicle safety for unattended infantcare.  
► *Tech stack: BEVdet, CUDA*

- **Smart Soil Nutrient Monitoring System (May 2024 - Aug 2024)**

- This Project is my outcome of the course 'Design-Build' this analyzed real-time sensor data to optimize soil health using IoT and data visualization techniques.  
► *Sensors data processing, Data visualization, Python, IoT analytics, Google Colab*

- **Assisted in Networking Setup at Elysium Academy (Feb 2024 - May 2024)**

- Assisted in configuring routers and switches, supporting network setup, troubleshooting, and maintenance to enhance performance and stability.  
► *PuTTY, LAN Trimming, Router & Switch configuration*

### Projects

- **Bussiness dashboard for Alpha University (Aug 2024)**

- Designed an interactive PowerBI dashboard using a Kaggle dataset to analyze university sales data, showcasing trends and actionable insights.  
► *PowerBI, Excel, Kaggle, Data visualization, Dashboard creation, Data interpretation*

- **ATM Project (Oct 2021)**

- This project is the outcome of my senior secondary schooling, where I developed and implemented functionalities for customer management, account creation, and transaction processing.  
► *Python, MySQL, Anaconda3, Spyder*

## EDUCATION

### B Tech, Computer Science and Engineering (2022 - Present)

Kalasalingam Academy of Research and Education | CGPA: 8.25

- Specialization in Data Analytics

### Associate Diploma, Information and Communication Technology in Business (2024 - Present)

Pacific Link College - RAK Campus, United Arab Emirates

### 12th Class (2021 - 2022))

Amrita Vidyalayam - CBSE

- Mathematics and Computer Science

### 10th Class (2019 - 2020)

Amrita Vidyalayam - CBSE

- Mathematics and Science

## ACHIEVEMENTS

- Won '1st' place with ₹10,000 cash reward in a 24-hour hackathon at **Jeppiaar Institute of Technology** for developing an AI-driven Crop Disease Prediction System using deep learning, CNN, Streamlit, and edge computing.
- 'Qualified' for the University-level **Smart India Hackathon** with an idea for a Drug Inventory and Supply Chain Tracking System, utilizing NFC-enabled cards to track inventory and analyze supply-demand trends for optimizing logistics and data management.