

INDHUMATHI V

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Leetcode: <https://leetcode.com/u/indhu13102003/>

PROFESSIONAL SUMMARY

Detail-oriented and highly motivated B.Tech student specializing in Artificial Intelligence and Data Science. Experienced in applying machine learning, deep learning, and data visualization techniques through academic projects and internships. Proficient in Python, data analysis tools, and AI frameworks. Passionate about solving real-world problems through technology and continuously expanding skill sets. Seeking an AI-focused internship to contribute and grow in a collaborative environment.

SKILLS

- Programming Languages: Python, R, SQL, C++
 - Data Analysis Tools: Excel, Microsoft Copilot, Pandas, NumPy
 - Machine Learning Frameworks: Scikit-learn, TensorFlow, Keras
 - Data Visualization: Matplotlib, Seaborn, Tableau, Power BI
 - Soft Skills: Teamwork, Communication, Time Management
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EXPERIENCE

Data Science Intern

Prodigy InfoTech | Remote

- Completed five structured data science tasks using real-world datasets
- Applied machine learning and visualization techniques to solve complex problems
- Collaborated on optimizing data pipelines and enhancing model performance

Volunteer Intern

Top Trove Foundation | Remote

- Contributed to social initiatives including tree plantation and support for the homeless
- Assisted in logistics and communication for community events

Student Trainee

Skill Vertex | Remote Apprenticeship

- Trained in core data science concepts including statistical analysis and machine learning

- Gained hands-on practice in Excel and Microsoft Copilot for data interpretation

Campus Executive

Skill Vertex | Part-time

- Promoted online learning programs and recruited new student participants
 - Engaged in outreach using communication and persuasion strategies
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EDUCATION

B.Tech in Artificial Intelligence and Data Science

Saveetha School of Engineering, Chennai

2021 – 2025 | CGPA: 8.5

Senior Secondary (Biology, Computer Science)

Cauvery International School, CBSE

2020 – 2021 | Percentage: 82.6%

High School

Sri Vignesh Vidyalaya, CBSE

2018 – 2019 | Percentage: 80.8%

PROJECTS

Enhancing Malaria Detection Using CNN

- Developed a convolutional neural network using MobileNetV2 and YOLO for malaria diagnosis
- Compared deep learning and traditional methods to enhance model accuracy and F1-score
- Proposed smartphone-based integration for early and accessible screening

Construction MIS (Capstone Project)

- Designed a web-based system for real-time tracking of construction materials, workforce, and timelines
- Integrated budget tracking and progress dashboards

Smart Hanging Rainy Pot

- Built an Arduino-based auto-watering system with soil moisture sensors
 - Created a compact, wall-mounted design for efficient plant irrigation
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CERTIFICATIONS

Oracle AI Vector Search Professional

Credential ID: 1Z0-184-25 | Score: 84% | Issued: March 2025

WORKSHOPS

- Python Programming – Top Engineers
 - Data Analytics using Power BI – TechTip24
 - Data Visualization using Tableau – Jobaaj Learnings
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LANGUAGES

- English – Professional
- Tamil – Native
- Telugu – Elementary