

Indhumathi V

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Professional Summary

Detail-oriented and results-driven B.Tech student specializing in Artificial Intelligence and Data Science, with hands-on experience in data analysis, machine learning, and community outreach. Adept at using advanced analytical tools and techniques to extract meaningful insights and drive data-driven decision-making. Passionate about leveraging technology to solve real-world problems and committed to continuous learning and professional development.

Skills

- **Programming Languages:** Python, R, SQL, C++
 - **Data Analysis Tools:** Microsoft Excel, Microsoft Copilot, Pandas, NumPy
 - **Machine Learning:** Scikit-learn, TensorFlow, Keras
 - **Data Visualization:** Matplotlib, Seaborn, Tableau
 - **Soft Skills:** Communication, Team Collaboration, Time Management
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Work Experience**Data Science Intern**

Prodigy InfoTech | Internship | Completed

- Successfully completed five key tasks essential for earning the internship certificate.
- Applied data analysis and machine learning techniques to solve complex problems and contribute to impactful projects.
- Collaborated closely with a team of experts to enhance model accuracy and optimize data processing workflows.
- Gained hands-on experience with real-world datasets, refining both technical and problem-solving skills.
- Developed actionable insights through the use of advanced analytical tools, driving data-driven decision-making.

Volunteer Intern

Top Trove Foundation | Internship

- Participated in community outreach programs focused on aiding the homeless and environmental conservation.
- Coordinated logistics for tree planting events and assisted in fundraising efforts.
- Demonstrated strong organizational and communication skills while working with a diverse team.

Student Trainee

Skill Vertex | Apprenticeship (Remote)

- Received comprehensive training in data science fundamentals, including data analysis, statistical methods, and machine learning techniques.
- Acquired proficiency in tools like Microsoft Excel and Microsoft Copilot to analyze and interpret data effectively.

Campus Executive

Skill Vertex | Part-time

- Identified and engaged with potential students, convincing them to join online learning programs.
 - Utilized strategic communication and persuasive techniques to expand the student base.
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Education

Bachelor of Technology (B.Tech) in Artificial Intelligence & Data Science

Saveetha School of Engineering | 2021 - 2025

- Grade: 8.5 CGPA

Senior Secondary (Biology, Computer Science)

Cauvery International School | CBSE | Jun 2020 - May 2021

- Grade: 82.6%

Higher Secondary School

Sri Vignesh Vidyalyaya | CBSE | Jun 2018 - May 2019

- Grade: 80.8%
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Projects

Enhancing Malaria Detection Using Convolutional Neural Network (CNN)

- Developed a CNN-based model to improve malaria detection through advanced image processing and deep learning techniques.
- Compared various approaches, including MobileNetV2, YOLO variants, traditional image processing, and transfer learning.

- Aimed to enhance diagnostic accuracy, sensitivity, specificity, and F1-score.
 - Explored potential integration of these methods into smartphone-based diagnostics to facilitate early and accessible screening.
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Workshops

- Python Programming Workshop - Top Engineers
 - Data Analytics Using Power BI Workshop - TechTip24
 - Data Visualization Using Tableau Workshop - Jobaaj Learnings
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Languages

- **English:** Professional
- **Tamil:** Native
- **Telugu:** Elementary