

Swathi Kancharla

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OBJECTIVE

Motivated B.Tech student in Artificial Intelligence and Machine Learning, eager to apply strong problem-solving skills and hands-on experience in Python, web development, and cloud technologies to impactful software projects. Passionate about learning cutting-edge tools and contributing to innovative solutions.

INTERNSHIPS & TRAINING

- **Deloitte Forage Virtual Experience** Feb 2025
Deloitte Australia Data Analytics Job Simulation
 - Designed a Tableau dashboard to visualize business data insights.
 - Analyzed datasets in Excel to derive actionable conclusions.
- **LearnWik** March 2023-May 2023
Intern
 - Built cloud-based applications using AWS infrastructure.
 - Optimized deployment processes for scalability and performance.
- **Verzeo** May 2022- June 2022
Intern
 - Developed ML models for real-world applications.
 - Enhanced model accuracy through preprocessing and tuning.

EDUCATION

- **Vijaya Institute of Technology for Women** Nov 2021 - May 2025
Bachelors of Technology in Artificial Intelligence and Machine Learning CGPA: 8.74
- **Sri Srinivasa Graviity Junior College** July 2019 - May 2021
Intermediate (Maths, Physics, Chemistry) GPA: 9.5
- **St.John's English Medium High School** May 2019
Matriculation GPA: 9.8

PROJECTS

- **Job Recommendation System** [GitHub]
Tools: Python, Machine Learning, Flask, HTML, CSS
 - Created a Flask-based platform using NLP (TF-IDF, Cosine Similarity) for personalized job suggestions.
 - Designed an interactive UI and optimized search functionality with database integration.
 - **Outcome:** Improved user engagement and job-match relevance through efficient ranking algorithms
- **Malaria Diagnosis** [GitHub]
Tools: Python, Deep Learning, TensorFlow, Keras, Convolutional Neural Networks (CNNs)
 - Built a CNN model to detect malaria from blood smear images with >90% accuracy.
 - Applied data augmentation and hyperparameter tuning to address overfitting.
 - **Outcome:** Enabled faster and more accurate malaria detection, with potential to support medical diagnostics in resource-limited settings.

SKILLS

- **Programming:** Python, C
- **Software Development:** Object-Oriented Programming (OOP), Multithreading
- **Web Development:** HTML, CSS, Flask
- **Database System:** MySQL
- **Cloud:** AWS (Basics), CI/CD Pipelines
- **Algorithms:** Data Structures, Problem Solving

CERTIFICATIONS

- Salesforce AI Associate
- Oracle Cloud Infrastructure 2024 Certified Foundations Associate
- Infosys Software Engineering and Agile Software Development
- HackerRank Certificate on Python (Basic)