

C GURU ASWINI DATH

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📍 Andhra Pradesh



SUMMARY

I am Guru Aswini Dath, a passionate and tech-driven Computer Science student with a strong foundation in AI development, full-stack development, and problem-solving. Having experience leading projects, collaborating with teams, and effectively communicating complex ideas. Interested in contributing technical expertise and innovation to impactful projects.

EDUCATION

Amrita Vishwa Vidyapeetham, Amritapuri, Kerala <i>B.Tech. in Computer Science Engineering Artificial Intelligence</i>	CGPA: 8.14 2021 – Present
Narayana Junior College, Nellore, Andhra Pradesh <i>Higher Secondary Education (MPC)</i>	Marks: 894 2019 – 2021
Kuppam public School, Kuppam, Andhra Pradesh <i>Secondary Education</i>	CGPA: 9.5 2018-2019

INTERNSHIPS

Frontend Developer <i>Exposys Datalabs</i>	Dec 2024 – Jan 2025 Bangalore, Karnataka
<ul style="list-style-type: none">Developed an automated email-sending system, improving bulk email efficiency by 70% and streamlining communication processes.Integrated SMTP for secure email dispatch and optimized system performance for large-scale email distribution.	
Research Intern <i>Association for Computing Machinery (ACM)</i>	Aug 2023 – Nov 2023 Kollam, Kerala
<ul style="list-style-type: none">Conducted research on network traffic classification and granular network technologies.Designed a hybrid model for analyzing mobile network traffic.	
Web Developer <i>Datalense Services</i>	Aug 2023 – Sep 2023 Kuppam, Andhra Pradesh
<ul style="list-style-type: none">Gained hands-on experience in web development using Laravel and PHP through real-world projects.Contributed to the deployment of the G-Star Elevator website as part of the deployment team.	

PROJECTS

VidyaVeda – Personalized AI (Ongoing)	Nov 2024 – Present
<ul style="list-style-type: none">Developing a web application leveraging Generative AI to personalize learning experiences.Integrating features such as automated quizzes, note generation, and video summaries to enhance educational engagement.	
Waste Management Segregation (Ongoing)	Jan 2025 – Present
<ul style="list-style-type: none">Designing an AI-powered system to automate waste segregation using a conveyor belt mechanism.Implementing top-view object detection to classify and separate materials such as plastic, paper, and metal efficiently.	
Plant Disease Detection Python, Deep Learning, Django	oct 2024 - Jan 2025
<ul style="list-style-type: none">Developed a Django-based web application to predict plant diseases using ML & DL models.Implemented image classification techniques to diagnose plant diseases and provide treatment recommendations.	
Doodle Classification Python, CNN, Google QuickDraw Dataset	Aug 2024 - oct 2024
<ul style="list-style-type: none">Developed a deep learning model using CNN to classify doodle images into different categories.Trained and evaluated the model on the Google QuickDraw Dataset, achieving high classification accuracy.	

PUBLICATIONS

- Deep Cyclone: A Data-Driven Approach to Enhanced Cyclone Prediction
ICAMSC 2023

May 2024 - July 2024

 - Utilized MobileNetV2 for cyclone intensity prediction, achieving a mean absolute error of 4.69.
 - Enhanced disaster response by improving lead times for evacuation.
- Granular Network Traffic Classification on Mobile Applications
IEEE IATMSI 2024

Apr 2024

 - Developed a mobile network traffic classifier using ML (SVM, Adaboost) and DL (RNN, LSTM, CNN) with 80% accuracy.
 - Implemented adaptive parental control with 70% accuracy for new applications.
- Beyond Tears: An AI Framework for Baby Cry Interpretation
ICCCNT 2024

Dec 2023 - Jan 2024

 - Designed a baby cry classification system using MFCC, PCA, and decision trees achieving 95% accuracy.
 - Improved pediatric healthcare by accurately distinguishing between baby needs.

ACHIEVEMENTS

- CMRIT National Level Social Hackathon'24

May 2024

 - Secured 2nd place for SageAI, an AI-driven learning platform using Generative AI (Gemini, Llama).
 - Enhanced student engagement through AI-powered summarization and content recommendations.
- KSBB Youth Ideation Challenge

Jan 2024 – Mar 2024

 - Won 1st place for Wildlife RailGuard, an AI-based railway wildlife detection system.
 - Implemented deep learning for real-time wildlife detection and train operator alerts.
- CodeByte-Idea Ignite

Feb 2024 - Aug 2024

 - Secured 13th place, earning a PPI and 5000 API points for an AI-driven agricultural system.
 - Achieved 72% accuracy in disease detection and 30% water savings via optimized irrigation.

TECHNICAL SKILLS

Languages: Python, SQL (PostgreSQL)
Frontend: Html, Css, JavaScript, React js
Backend: Larael, PHP, Django
Developer Tools: Git, VS Code
Data Visualization: Tableau

POSITION OF RESPONSIBILITY

- President, amESE Club

Feb. 2024 - Present

Amrita Energy Swaraj Environment Club

 - Organized talks, ideathons, and competitions on sustainability and environmental conservation.
 - Led initiatives promoting renewable energy and eco-friendly practices within the community.