

# Makireddygari Haritha

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## SUMMARY

 MAKIREDDYGARI HARITHA |  HaRiTAA1130

Enthusiastic and self-driven Computer Science student skilled in Java, Python, and Machine Learning with a strong passion for creating innovative, AI-powered, and scalable software solutions. Proficient in Full Stack Development using Python and Java, with hands-on experience across the complete software development lifecycle of web applications. Currently pursuing B.Tech in Computer Science at Kalasalingam Academy of Research and Education (Expected Graduation: 2026).

## EDUCATION

- **Bachelor of Technology in Computer Science and Engineering** 2022 - 2026 (Expected)  
*Kalasalingam Academy of Research and Education* Virudhunagar, Tamil Nadu
  - 8.83
- **Intermediate** 2020 - 2022  
*Narayana Junior College* Anantapur, Andhra Pradesh
  - 82.8
- **Matriculation/SSC** 2020  
*Radha School Of Learning* Anantapur, Andhra Pradesh
  - 83.83

## PROJECTS

- **NetMark – Proxyless, Efficient Real-time Attendance App** 2025  
*Tech: Flutter, Google Firebase, Subnetting, Flask, OAuth 2.0* 
  - Developed an Android app using subnetting to prevent proxy attendance and getting very quick and accurate attendance
  - Real-time attendance updates through data visualization in smooth UI.
  - Integrated Google Firebase for data storage and authentication; Also Implemented role-based authorization for different users like Admin and Students.
- **NFC X CV Real time Attendance System** 2024  
*Tech: WebNFC reader, Google Firebase, Tailwind, NFC Tools, YOLO framework, Roboflow, Plotly, OAuth 2.0* 
  - Developed a Real time Attendance System using NFC and Computer Vision to make the Attendance system automated and efficient
  - Provided a Sleek and good UI for Faculty and admin to look over the attendance using tailwind
  - Integrated all the data collected with Google Firebase with OAuth 2.0 Authorization and Authentication
- **BREEZE: A friendly and handy Coastal Tourist Advisor** 2024  
*Tech: JS, HTML, CSS tailwind, Google Firebase, Flutter, Python, API:(Gemini pro, Openweather, openstreetmap), OAuth 2.0, ngrok* 
  - Developed a web app which helps the Coastal Tourists using Google Firebase
  - Created user and Admin dashboards with the tailwind css for maintaining all the previous records and travels.
  - Developed a user-friendly chatbot by finetuning on Gemini pro model with our own custom made dataset which is inclined to our BREEZE use case
- **Discourse-Aware Automatic Text Summarization** 2024  
*Tech: BART Model, HuggingFace Transformers, Flask, HTML, CSS, JavaScript* 
  - Developed a web application using Flask that generates abstractive summaries powered by the BART model from HuggingFace.
  - Designed and implemented a dynamic frontend with HTML, CSS, and JavaScript for user input and summary display.
  - Applied tokenization, beam search, and length penalty techniques to optimize summary quality and coherence.

## SKILLS

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- **Programming Languages:** Python, C, Java
- **Database Systems:** MySQL, Mongo DB, Google Firebase
- **DevOps & Version Control:** Git, Github
- **Development:** MERN stack Development
- **AIML:** Deep Learning & Machine Learning Modeling, Prompt Engineering, ChatGPT, Claude, Computer Vision, GAN
- **Other Tools & Technologies:** Roboflow, Kaggle

## ADDITIONAL INVOLVEMENT

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- **Student Member:** GFG KARE Student Chapter *April 2023 - Present*
- **Student Member:** GDSC KARE *August 2023 - Present*

## ACHIEVEMENTS

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- Took part in INVENTIA - AI mini google solution challenge - Secured 3rd Place (October 2024)
- Achieved 100+ Streak in DSA Problem Solving at GeeksforGeeks (Till 2024)

## CERTIFICATIONS

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- **Natural Language Processing in Microsoft Azure - Microsoft** *January 2024*
- **Introduction to Machine Learning - Great Learning** *December 2023*