# NAGIREDDY SAI GOWTHAM

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## SUMMARY

I am a passionate and skilled software developer with a strong focus on designing and developing diverse applications. Proficient in a range of programming languages and technologies, including Python, JavaScript, C++, and frameworks such as MERN stack, Django, and Flask, I consistently deliver efficient, innovative solutions. With a solid foundation in full stack development, AI, and machine learning, I thrive in creating impactful applications, from web-based platforms to cutting-edge machine learning models.

## EXPERIENCE

### Machine Learning Engineer

**Andhra University**                                                                 **August 2024 - Present，Vishakapatnam**

• Developed and deployed a machine learning model that improved predictive accuracy by 20%, utilizing Python, TensorFlow, and scikit-learn.
• Implemented algorithm optimization techniques that reduced processing time by 30%, enhancing overall model efficiency.
• Employed advanced data preprocessing methods to ensure high-quality input data, significantly contributing to the model's performance and reliability.

### AR/VR Application Developer

**Centre Of Excellence for Maritime and Ship Building**                  **June 2023 - July 2024，Vishakapatnam**

• Developed immersive AR/VR applications using Unity and Unreal Engine, boosting user engagement through innovative interactive features and seamless cross-platform functionality.
• Designed and implemented unique gameplay mechanics and environments, enhancing the overall user experience and retention rates.
• Mastered Blender software for creating detailed objects and scenery, contributing to the development of multiple applications and games with high-quality visuals.

## PROJECTS

### Talko-Chat

MySelf • port-folio-sage-six.vercel.app/work • May 2024 - July 2024
• Developed a real-time chat application with MERN stack and Socket.io for seamless communication between users.
• Implemented secure user authentication and message storage in the backend using MongoDB and Express.
• Enabled real-time messaging with Socket.io, ensuring low-latency message delivery and a responsive chat interface on the React frontend.

### Portfolio Web-App

MySelf • port-folio-sage-six.vercel.app/ • May 2024 - July 2024
• Developed a highly dynamic and responsive portfolio website using Next.js to effectively showcase my professional profile, projects, and skills.
• Utilized Next.js's automatic code-splitting and optimization to ensure your portfolio loads quickly and provides a seamless user experience.
• My portfolio is fully responsive, adapting to various devices and screen sizes for an optimal viewing experience on both mobile and desktop.

### An Intelligent object detection and Navigation Assistance for Visually impaired

GMRIT • port-folio-sage-six.vercel.app/work • January 2024 - April 2024
• Utilized real-time image processing and AI to detect and identify objects, providing immediate feedback for users.
• Integrated advanced machine learning models for accurate object recognition, achieving a good detection accuracy rate in varied environments.
• Designed the system to enhance user mobility, offering reliable navigation assistance and improving independence for visually impaired users.

### Weather-Watch

MySelf • port-folio-sage-six.vercel.app/work • February 2024 - March 2024
• The app fetches real-time weather data using a weather API, ensuring users always receive the most up-to-date information.
• Includes current weather conditions, detailed forecasts, and location-based weather updates for a complete weather-checking experience.
• Developed using Kotlin for Android, delivering a seamless, efficient, and user-friendly interface optimized for mobile use.

## EDUCATION

### B. Tech

GMRIT • Rajam, AndhraPradesh • 2025 • 9.08
• Awarded Scholarship for Good Score in semister examinations.

### Intermediate

Sri Chaintanya • Vijayawada, Andhrapradesh • 2021 • 93%

### 10th

Sri Chaintanya • Tapeswaram, Andhrapradesh • 2019 • 10

## CERTIFICATIONS

**Google cloud computing foundations and Generative AI**

Google • 2023

**AI Foundations for Everyone Specialization (IBM)**

Coursera • 2023

**Machine Learning Algorithms in the Real World Specialization By AMII**

Coursera • 2022

## SKILLS

Python, Oops through Java, Machine Learning, ReactJS, NextJS, MongoDB, NodeJS, ExpressJS, PHP, Django, Flask, C++, Sql, DBMS, Kotlin, Html, Cascading Style Sheet(css), Javascript.

## INVOLVEMENT

**Technical Lead**

Rajam, AndhraPradesh • CSI-GMRIT • May 2022 - Present
• Provided guidance to junior coordinators by overseeing their tasks and responsibilities, promoting effective teamwork and professional growth.
• Organized and led technical events across various domains, enhancing participants' skills and knowledge in emerging technologies.
• Successfully managed event logistics, ensuring smooth execution and fostering a collaborative environment for knowledge sharing and skill development.

**Android Core Team Member**

Rajam, AndhraPradesh • Google Developers Students Club • May 2023 - May 2024
• Coordinated multiple events focused on Google products, attracting an average of 100 participants per event.
• Delivered engaging presentations and workshops that covered various Google tools and services, enhancing attendees' understanding and usage of these products.
• Fostered collaboration and networking opportunities among participants, resulting in positive feedback and increased interest in future events.