

Gowtham Maddipati

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ABOUT

Passionate about machine learning (ML) and natural language processing (NLP), I am a driven full-stack developer committed to creating dynamic and innovative web applications. With a solid foundation in both front-end and back-end development, I am dedicated to mastering a diverse set of technologies and frameworks to deliver comprehensive solutions. Proactively engaging in learning opportunities and maintaining a keen eye for detail, I am eager to contribute to collaborative projects and continue growing as a versatile developer in the ever-evolving landscape of web development.

EDUCATION

2021 - 2025	B-tech at Vishnu Institute Of Technology	(GPA: 9.21.0/10.0)
2021	Secondary Education at Narayana junior College	(PERC: 91)
2019	Class 10th	(GPA: 9.7.0/10.0)

WORK EXPERIENCE

Front-End Intern	May 2023 - Jun 2023
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During my internship at Exposys Datalabs, I had the opportunity to work on an innovative project focused on developing a mass mail dispatcher application. The project aimed to streamline communication processes within the organization by providing a robust and efficient platform for sending bulk emails to clients and stakeholders

Java Intern	Jun 2023 - Jul 2023
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The internship experience at Oasis Infobyte provided me with invaluable exposure to Java development practices and equipped me with essential skills and competencies for a career in software engineering. I gained practical insights into the software development lifecycle and honed my abilities to work effectively in a professional team environment.

Machine Learning Intern	Dec 2023 - Jan 2024
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During my internship at Oasis Infobyte, spanning a duration of one and a half months, I delved deep into the realm of machine learning (ML) models and their initialization techniques. Through hands-on projects and mentorship, I gained practical experience in implementing various ML models, honing my skills in model selection, optimization, and evaluation. This hands-on experience not only strengthened my understanding of ML fundamentals but also enhanced my proficiency in Python programming and data manipulation libraries such as NumPy, Pandas, and Scikit-learn.

AI-ML Virtual Intern	Jan 2024 - Mar 2024
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Implemented end-to-end ML pipelines on AWS, covering machine learning fundamentals, forecasting, computer vision, NLP, and generative AI. Utilized SageMaker, Amazon Forecast, Rekognition, Ground Truth, and CodeWhisperer. Hands-on experience in data preprocessing, model training, and deployment. Enhanced proficiency in AWS AI/ML services.

PROJECTS

Mass Mail Dispatcher

[Link to Demo](#)

As a full-stack developer, I have undertaken the development of a mass mail dispatcher application, leveraging my expertise in both frontend and backend technologies to create a comprehensive solution for efficient communication.

Facial Expression Detection

[Link to Demo](#)

Facial expression detection is a fascinating area within the field of computer vision and machine learning that involves recognizing and categorizing the facial expressions displayed by individuals in images or videos. This technology has a wide range of applications, from enhancing human-computer interaction to enabling emotion-aware systems in various domains such as healthcare, marketing, and entertainment.

Spam Or Ham Detector

[Link to Demo](#)

A spam or ham detector is a vital tool in the realm of email filtering and text classification. It serves the purpose of distinguishing between legitimate (ham) and unwanted (spam) emails, thereby improving inbox management and enhancing user experience. The content of a spam or ham detector typically involves several key components: Data preprocessing, feature Extraction, model Selection, Evaluation

Sport Scheduler

[Link to Demo](#)

Developed a web-based sports scheduling application using Postman for API testing and PostgreSQL as the backend database. The application aimed to streamline the scheduling process for sports events, allowing administrators to manage teams, venues, and match schedules efficiently.

Telegram Bot

[Link to Demo](#)

The Telegram bot successfully provide users with on-demand weather updates and comprehensive movie information directly within the Telegram platform. Received positive feedback from users for its intuitive interface and reliable functionality.

PUBLICATIONS

Maddipati, Gowtham and Ganeswara Rao Maddipati (Feb. 2024). "High Performance VLSI Architecture for Real-Time Video Edge Detection". In: *IEEE* 99.18, pp. 1–6. URL: <https://ieeexplore.ieee.org/abstract/document/10435054>.

CODING EXPERIENCE

- [LeetCode](#)
- [HackerRank](#)
- [Coding Bat](#)

SKILLS

Programming languages	Java,Python,JavaScript,C Programming
Frameworks and Libraries	HTML,CSS,MongoDB,Machine Learning
Other Tools	Operating Systems,Computer Networks,Object Oriented Programming,Database Management System