

# Meghana Reddy Nalla

New Jersey, USA

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## Introduction

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I'm a seasoned software engineer and Web developer with a passion for crafting cutting-edge solutions that drive technological innovation. Throughout my educational journey, personal projects and working experience, I've honed my skills in software development, transforming ideas into functional, efficient, and user-friendly applications.

## Technical Skills

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Programming Languages: C, C++, Python, Java, HTML, CSS, Javascript, PL/SQL, SQL.  
Libraries/Framework: React.js, Express.js, Flask, Next.js, Node.js, HTML5, CSS3, Langchain, Huggingface, Streamlit, PyTorch, Spacy, NLTK, NumPy, pandas.  
Tools: Linux, Windows, Microsoft word, Microsoft PowerPoint, Excel, AWS.  
Collaborating Tools: GitHub, Microsoft Project, Trello, Agile methodologies.  
Communicating Tools: Slack, Microsoft Teams, Discord, Cisco Webex Teams, Google Meet, Good communication skills.  
Database: MongoDB, MySQL, SQLite, Vector databases.  
IDEs: VSCode, Jupiter Notebook, PyCharm, IntelliJ, Eclipse, Google Colab.  
Platforms: Netlify, Render

## Education

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Rowan University	USA
• Pursuing master's in computer science at Rowan University (GPA: 3.8/4)	Sep, 2022 - present
Kakatiya Institute of Technology and science	India
• Bachelor of Technology in Electronics and Instrumentation Engineering (GPA: 8.8/10)	August 2016 – Sep, 2020

## Work Experience

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SYSTEMS ENGINEER	Infosys Limited, India	May 2021 - August 2022
• Provided Maintenance and support for applications like, Essbase, HFM, HPCM, FCM and other oracle tools.		
• Collaborating with other teams for enhancements in the features as per the customer requirements.		
• Incident management on ServiceNow.		
• I had the privilege of working extensively with Java.		
• My expertise in Java empowered me to create robust and efficient software solutions, while my proficiency in DBMS allowed me to design and manage databases that played a crucial role in data storage and retrieval.		
• Additionally, my knowledge of data structures proved invaluable in optimizing algorithms and enhancing system performance.		

## Projects

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- Course Recommendation System with chat-GPT and Machine Learning
  - Used OpenAI API, Flask, SQLite, Python, NLTK
  - Collaborated on a group project to develop a course recommendation system.
  - Implemented a chat-based interface using GPT-3 for user interaction.
  - Built a machine learning model to provide personalized course recommendations.
- OpenAI DALL-E clone
  - Used GPT-3 API, Mern stack, Tailwind CSS, Cloudinary
  - Developed DALL-E clone, an AI image generation system, utilizing Node.js and Express.js for the backend and React.js for the frontend.
  - Integrated the ChatGPT API to generate image from descriptions and utilize Cloudinary to store the generated images, storing their URLs in MongoDB for easy retrieval.
- RecipeMaker - From Youtube video URL
  - build a Recipe Generator App using Whisper, Pytube, chatgpt, and Streamlit.
  - This application utilizes PyTube to extract both video and audio content from a YouTube video URL.
  - Following this, the audio file undergoes processing with OpenAI's Whisper to generate a transcript.
  - Lastly, the recipe is crafted with the assistance of OpenAI's text-davinci-003 model.