



## Mahesh Vasamsetti

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### WORK EXPERIENCE

#### Full Stack Developer

**360 Research foundation (NGO)** [ 18/05/2021 – 18/06/2021 ]

Country: India

- Implemented a Leaf Disease Classification model using fast.ai.
- I developed a web interface for the model, enhancing user interactions and facilitating model deployment.

#### AI Engineer

**oureye.ai** [ 01/06/2021 – 20/12/2021 ]

Country: India

- Collaborated with the AI team to develop and fine-tune machine learning models. This involved exploring various architectures, including convolutional neural networks (CNNs) and YOLO, and leveraging libraries like TensorFlow and PyTorch for implementation.
- Participated in model evaluation, hyperparameter tuning, and performance optimization, ensuring our models were both accurate and efficient.
- Worked closely with the front-end team to create responsive and user-friendly web interfaces, utilizing modern technologies such as React.js, HTML, and CSS.
- Collaborated with back-end developers to integrate AI models into the web application, enhancing its functionality and user experience.

#### Software developer

**Mitacs Globalink research internship - York University** [ 15/06/2022 – 06/09/2022 ]

City: Toronto | Country: Canada

- Working with MySQL to manage the data.
- Collaborated with team members using version control systems such as Git to organize modifications and assign tasks.
- Focused on website optimization, including the design and development of websites and their integration with database. Utilized HTML, JavaScript, and CSS to enhance website functionality and user experience.

#### Subject Matter Expert (Physics)

**(Freelancer) Chegg Inc**

- Provide expert guidance and assistance to students in Physics through the Chegg online learning platform.
- Create detailed solutions and explanations for complex physics problems, ensuring clarity and understanding for students.
- Demonstrate strong communication skills in addressing student queries and clarifying concepts.

## EDUCATION AND TRAINING

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### Bachelor of Technology in Electronics and Communication Engineering

**SRM UNIVERSITY** [ 2019 – 2023 ]

City: Andhra Pradesh | Country: India | Website: <https://srmap.edu.in/>

### Trainee - Data Science Using Python

**APSSDC** [ 07/06/2021 – 15/07/2021 ]

Country: India

## CONFERENCE PAPERS/BOOK CHAPTERS

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### Combining Super-Resolution GAN and DC GAN for Enhancing Medical Image Generation: A Study on Improving CNN Model Performance

- Accepted by GANs for Data Augmentation in Healthcare Sector Book Chapter by Springer Nature.

Link: [https://link.springer.com/chapter/10.1007/978-3-031-43205-7\\_11](https://link.springer.com/chapter/10.1007/978-3-031-43205-7_11)

## ACHIEVEMENTS

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### iHack Alpha Hackathon

- More than 1800 teams participated from countries India, Singapore, Japan, Philippines. Won the first prize of USD 2300 for our project Artificial Voice.

### Conversation Intelligence/AI Hackathon

- Bagged 3th place among 200 participants in Conversation Intelligence/AI Hackathon organized by Symbl.ai company.

### Broadridge India Innovation Hackathon

- Finalist among 1368 teams in Broadridge India Innovation Hackathon organized by Broadridge.

## PROJECTS

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### Rapid product analysis

- Developed an AI-powered tool leveraging Expert.ai services for sentiment analysis across social media and product reviews.
- Aimed at assisting small businesses and entrepreneurs in brand management and product understanding.

Link: <https://devpost.com/software/rapid-product-analysis>

### Interview Simulator

- Implemented realistic mock interviews with a dynamic, random pairing system, facilitating diverse and spontaneous interview experiences.
- Integrated AI-driven features including resume analysis and personalized question generation, tailored to individual user profiles.

Link: <https://devpost.com/software/interview-simulator-2keuys>

## **Text Simplify**

- Developed a Chrome extension utilizing Modzy services for real-time text analysis, extracting sentiment, keywords, and summaries from internet content.
- Introduced a snipping tool feature allowing users to select and analyze specific web page sections for detailed topical reports.

Link: <https://devpost.com/software/text-simplify>

## **Study: A Educational Voice-to-Text and YouTube Integration Application**

- Developed an innovative application that transforms classroom audio recordings into transcripts using Symbl.AI's conversational API, catering to both teachers and students.
- Implemented YouTube API to suggest relevant educational videos based on extracted keywords, providing students with a diverse, engaging, and interactive learning experience.

Link: <https://devpost.com/software/study-u0dav9>