


# SUSANTH NARAYANAN R

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## Profile

A seasoned learner, eager about Data Analytics and Machine Learning engineering, while having solid experience in Machine Learning. I love to crack real-world machine learning and natural language processing problems.


## Experience

<b>Pinaca Technologies Private Limited</b> 	Jun 2023 – Nov 2023
<i>Machine Learning Engineer Intern</i>	Chennai, India
<ul style="list-style-type: none"><li>• Developed Fine-tuning of LLM for tasks such as classification, fillmask, NER, and summarization.</li><li>• Integrated the 4 LLMs into a chatbot application to improve natural language understanding.</li><li>• Implemented the automation of the data scraping process using Selenium and BeautifulSoup.</li><li>• Generated log reports and conducted error analysis for the chatbot application.</li><li>• Extracted text from PDFs and images using optical character recognition techniques.</li><li>• Executed pre-processing of large audio and text datasets utilizing NLP methods.</li><li>• Improved audio data quality by removing background noise using the noisereduce library.</li></ul>	

## Education

<b>Coimbatore Institute of Technology</b> 	Sep 2020 – present
<i>Master of Science in Data Science (5 years Integrated)</i>	Coimbatore, India
CGPA – 8.17 (till 7th semester)	
<b>National Model Matric Higher Sec. School</b>	2018 – 2020
SSLC Pass Percentage - 82%	Coimbatore, India
HSC Pass Percentage - 76%	

## Co-Curricular

<b>Automated Insight Analysis</b> 	Dec 2022
Presented a project paper titled "Automated Insight Analysis for any CSV File" at the 9th International Conference on Business Analytics and Intelligence, DCAL - 2022, IIM Bangalore.	

## Skills and Interests

Area of Interest	Technical Skills	Soft Skills
<ul style="list-style-type: none"><li>• Natural Language processing</li><li>• Machine Learning</li><li>• Predictive Analysis</li><li>• Database Management System</li></ul>	<ul style="list-style-type: none"><li>• Python</li><li>• MySQL</li><li>• Power BI</li><li>• Excel</li></ul>	<ul style="list-style-type: none"><li>• Leadership</li><li>• Communication</li><li>• Observation</li><li>• Team Work</li></ul>

## Projects

<b>PDF Prompting</b>	Jan 2024
<ul style="list-style-type: none"><li>• Created an innovative chatbot tool to enable seamless PDF uploads and prompt-based inquiries, revolutionizing user interaction and data retrieval.</li><li>• Leveraged GPT-3 with a Python backend and frontend to provide intuitive navigation and preserve valuable user interactions.</li><li>• <b>Tools/Technologies:</b> Steamlit, OpenAi, Langchain, PdfReader.</li></ul>	
<b>Plant Infection Detector</b>	Apr 2024
<ul style="list-style-type: none"><li>• Built a Convolutional Neural Network model to predict plant diseases from image data, facilitating early treatment and intervention with an accuracy of 93%.</li><li>• <b>Tools/Techniques:</b> Python, Keras, TensorFlow.</li></ul>	
<b>Hoax Detection</b>	Mar 2023
<ul style="list-style-type: none"><li>• Developed a model using ML to classify tweets as real or fake.</li><li>• Executed pre-processing of the Twitter dataset, trained 3 ML models, and compared their accuracy to identify the best-performing algorithm.</li><li>• <b>Tools/Technologies:</b> Python, Naive Bayes, Random Forest, and Logistic Regression.</li></ul>	

## Certificates

- SQL (Intermediate) - HackerRank 