

# Mohith Sai Ram Reddy

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## 👤 PROFILE

Dedicated undergraduate student with a profound passion for web development, data science, and software development. Possesses robust analytical skills, innovative thinking, and a proven track record of consistent hard work, feel safe to express myself, thrive on the opportunity to innovate and take initiative. Enjoys active participation in group collaboration, adept problem-solving, and is committed to continuous skill development

## 🎓 EDUCATION




2020 – 2024	<b>Amrita Vishwa Vidyapeetham</b> Computer Science Engineering, B.Tech CGPA: 8.22	Kollam
2018 – 2020	<b>VelocITy Junior College</b> 12th Class CGPA: 7.6	Hydreb主
2017 – 2018	<b>VelocITy High School</b> 10th Class CGPA: 8.8	Hydreb主

## 🔧 PROFESSIONAL EXPERIENCE

Jul 2024 – present	<b>SDE(Data Engineer), Educational Initiatives</b> <ul style="list-style-type: none"><li>Spearheaded a proof of concept leveraging <b>Airbyte</b>, Postgress, DBT, <b>Confluent Kafka</b>, <b>AWS Lambda</b> and Snowflake technologies and involved in decision making for a new data pipeline</li><li>Ownership of delivering client-facing reports, including <b>Parent Reports</b> and <b>Principal Reports</b></li><li>Contributed to building data pipeline architectures, playing a key role in finalizing <b>pipeline designs</b>, structuring the <b>data warehouse</b>, and designing <b>datamarts</b>.</li></ul>	Banglore
Jan 2024 – Jul 2024	<b>Data Engineering Internship, Educational Initiatives:</b> <ul style="list-style-type: none"><li>Developed <b>ETL scripts</b> utilizing <b>Python</b>, <b>MongoDB</b>, and <b>ClickHouse</b> to efficiently extract, transform, and load data from various sources into a centralized Data Warehouse.</li><li>Contributed to the development of <b>Redash dashboards</b> to visualize and analyze data stored in the Data Warehouse, facilitating data-driven decision-making for stakeholders</li><li>Optimized Parent Report generation through code restructuring, achieving a <b>50% reduction in processing time</b> and eliminating Redshift usage, resulting in <b>monthly cost savings of \$575</b>.</li></ul>	Banglore

## 📁 PROJECTS UNDERTAKEN

Sep 2023 – present	<b>Voice Morphing Application for Trainers Aurtistic Disorder</b> <ul style="list-style-type: none"><li>Bulit as User Friendly Voice Morphing Applcation</li><li>Included Voice to Voice Morphing and Text to Voice Morphing</li></ul>
May 2023 – Jun 2023	<b>Salary Predecton System</b> <ul style="list-style-type: none"><li>Engineered a <b>robust Salary Prediction</b> Tool utilizing supervised machine learning in Python.</li><li><b>Accurately forecasted salaries</b> based on crucial factors such as age, experience, job role, and education.</li><li>Deployed the predictive model using <b>Flask</b>.</li></ul>

Mar 2023 – Apr 2023	<b>Image_Caption_Generator</b>  <ul style="list-style-type: none"> <li>Pioneered a web application employing <b>Google Vision Transformer</b> (ViT) pretrained models and <b>Flask</b>.</li> <li>Proficiently trained an AI model to craft natural language <b>descriptions for images</b>.</li> </ul>
Nov 2022 – Jan 2023	<b>Flight_Fare_Prediction</b>  <ul style="list-style-type: none"> <li>Utilized <b>various machine learning methods</b> to forecast flight ticket prices.</li> <li>Provided customers with accurate pricing projections.</li> </ul>
Mar 2022 – Apr 2022	<b>Natural Language Processing_Basics</b>  <ul style="list-style-type: none"> <li>Developed a project that aims to provide a fundamental understanding of NLP to others. The project covers a variety of NLP techniques and provides hands-on practice opportunities for learners.</li> <li>By developing this project, I have demonstrated my skills in <b>NLP, text analysis</b>, and programming with Python</li> </ul>
Feb 2022 – Mar 2022	<b>Payment Form</b> <ul style="list-style-type: none"> <li>Artfully designed a user-centric payment form using <b>HTML, CSS</b>, and <b>Bootstrap</b>.</li> <li>Implemented robust <b>JavaScript</b>-based form validation, ensuring a user experience.</li> </ul>

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## SKILLS & SOFTWARE PROFICIENCIES

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**Programming Languages:** C++(Intermediate), Python(Basics)



**RDBMS:** Postgres SQL

**Data Warehouse :** Snowflake, ClickHouse

**Artificial intelligence:** Machine Learning(Algorithms and Framework Intermediate)

**ETL :** DBT, Snowflake Postgress Connector , Redash (Analytics),Python ETL , Airbyte , Kafka


**Version Control:** GIT, Bitbucket


**Cloud :** Google Cloud Fundamentals  , Azure Fundamentals 

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## CERTIFICATES


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Google Associate Cloud Engineer 

Fundamentals of Deep Learning - NVIDIA 

Introduction to Data Science - Cisco 

Version Control with Git 

Front-End Web UI Frameworks and Tools: Bootstrap 4 

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## COMMUNITY OUTREACH PROGRAM

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**Organized Newspaper bay in-front of CIR Office as Part of SSR**

- As part of my student service responsibility,Organized a newspaper bay in front of the CIR office on
- December 9th, 2022. The purpose of this event was to help students improve their paper reading interest and enhance their current knowledge.

**Sustainable Development Goals 4(Quality Education)**


- As part of a community outreach program, Participated in a Service Learning project focused on improving the quality of education in local schools.
- Led lectures for junior students on the importance of real-world, situation-based learning.

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## ACHIEVEMENTS

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**Research Paper**

- Published a research paper titled "Enhancing Salary Projections: A Supervised Machine Learning Approach with Flask Deployment." 

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## LANGUAGES

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• English – Read, Speak, Write

• Telugu – Read, Speak, Write