

# Narendranath Reddy Reddy

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**SUMMARY:** A Data Science graduate with expertise in optimizing data systems, machine learning models, and performance profiling. Skilled in computer architecture, heterogeneous computing, and cloud technologies, with experience in Python, SQL, and NLP.

## EDUCATION

<b>Master of Science, Data Science</b> University of North Texas	Aug 2022 - May 2024 <b>GPA: 3.83 / 4.0</b>
<ul style="list-style-type: none"><li>Multicore Programming, Advanced Operating Systems, Computer Architecture, Machine Learning, NLP</li></ul>	
<b>Bachelor of Technology, Computer Science Engineering</b> BNM Institute of Technology - Bengaluru (BNMIT)	Aug 2017 - May 2021 <b>GPA: 8.7 / 10</b>
<ul style="list-style-type: none"><li>Data Structures, Algorithms, Operating Systems, Computer Architecture Cybersecurity, and High-Performance Computing to build a strong technical foundation.</li></ul>	

## TECHNICAL SKILLS

<i>Languages</i>	: C/C++, Python, Java, SQL, PL/SQL, Javascript, Unix, Frontend
<i>Tools and Technologies</i>	: Hadoop, Spark, Snowflake, Databricks, PySpark, MLflow, Jenkins, GitLab, AWS, Azure
<i>Skills</i>	: ML (Sci-kit Learn, TensorFlow, PyTorch), Statistical Modeling, Data Visualization (Tableau, Power BI), CI/CD
<i>Libraries/Frameworks</i>	: NumPy, SciPy, Pandas, Spacy, NLTK, BERT, MySQL, PostgreSQL, MongoDB, Cassandra

## PROFESSIONAL EXPERIENCE

<b>Data Research Analyst   Python, SQL, AWS, Tableau, Power BI, and Git</b> [ <a href="#">link</a> ] <i>Community Dreams Foundation</i>	July 2024 - Present Dallas, TX, USA
<ul style="list-style-type: none"><li>Conduct <b>high-level data analysis</b> and develop <b>statistical models</b>.</li><li>Contributed to <b>network security</b> and <b>data integrity</b> projects.</li></ul>	
<b>Data Analyst   Rust, Python, SQL, AWS, CI/CD tools</b> [ <a href="#">link</a> ] <i>WFconnect Technologies Limited</i>	Sep 2020 - July 2022 Bengaluru, KA, India
<ul style="list-style-type: none"><li>Optimized <b>distributed data systems</b> using <b>Rust, Python</b>, and <b>SQL</b>.</li><li>Developed <b>CI/CD pipelines</b> and contributed to <b>cloud setups</b>.</li></ul>	
<b>Full Stack Developer Intern   Java, Spring, JavaScript</b> [ <a href="#">link</a> ] <i>Glisten Project Solutions Pvt. Ltd</i>	June 2020 - Aug 2020 Bengaluru, KA, India
<ul style="list-style-type: none"><li>Developed <b>web applications</b> using <b>Java</b> and <b>Spring</b>.</li><li>Integrated <b>front-end</b> and <b>back-end</b> components into fully functional solutions.</li></ul>	
<b>AI Intern   Python, TensorFlow, PyTorch, Spacy, NLTK</b> [ <a href="#">link</a> ] <i>Tequed Labs</i>	July 2019 - Aug 2019 Bengaluru, KA, India
<ul style="list-style-type: none"><li>Deployed <b>machine learning models</b>, ensuring <b>scalability</b> and <b>reliability</b>.</li><li>Focused on <b>preprocessing</b>, <b>model evaluation</b>, and <b>deployment</b>.</li></ul>	

## SELECTED PROJECTS

<b>CNN Based Deepfakes Detection Model   Python, TensorFlow, OpenCV, Deep Learning, CNN</b> <ul style="list-style-type: none"><li>Developed a CNN-based model that achieved <b>95% accuracy</b> in identifying forged images, enhancing <b>digital security</b> on social media.</li></ul>	
<b>Optimizing and Forecasting Future Electricity Bills   Gradient Boosting, Random Forest, Data Analysis</b> <ul style="list-style-type: none"><li>Created a <b>predictive model</b> for forecasting electricity bills with <b>solar energy</b>, achieving <b>high accuracy</b>.</li></ul>	[ <a href="#">link</a> ]
<b>Extractive Text Summarization with Graph-Based Architectures   NLP, Graph Theory, BERT</b> <ul style="list-style-type: none"><li>Improved <b>text summarization accuracy</b> using <b>graph-based methods</b>.</li></ul>	[ <a href="#">link</a> ]
<b>Smart Inventory Management in Retail and Warehousing   Python, SQL, Big Data Analytics</b> <ul style="list-style-type: none"><li>Developed a <b>predictive analytics system</b>, reducing stock outs by <b>20%</b> and <b>improving operational efficiency</b>, while cutting <b>holding costs</b> by <b>15%</b>.</li></ul>	[ <a href="#">link</a> ]
<b>Secure and Interactive Online Cab Booking Portal   Java, Spring Boot, Hibernate</b> <ul style="list-style-type: none"><li>Built a <b>secure booking system</b>, increasing registrations by <b>40%</b>.</li></ul>	[ <a href="#">link</a> ]
<b>College Predictor   Python, Data Analysis, Machine Learning</b> <ul style="list-style-type: none"><li>Developed an application to <b>predict college admissions</b> based on <b>student scores</b>, aiding in <b>decision-making</b>.</li></ul>	[ <a href="#">link</a> ]

**CERTIFICATES:** Build GANs and Diffusion Models with TensorFlow and PyTorch[[link](#)], Engineering Project Management: Initiating and Planning[[link](#)], Engineering Project Management: Scope, Time and Cost Management[[link](#)], Engineering Project Management: Risk, Quality, Teams, and Procurement[[link](#)], SQL for Data Analysis[[link](#)]

**Leadership and Awards:** First Place in the Innovative Project Lab Competition for exceptional project development [[link](#)]. Participated in a 2-day National Level Workshop on "Mobile Control Robotics"[[link](#)], Attended a workshop on I/O Interfacing with Embedded Systems, enhancing skills in robotics and embedded technology.[[link](#)]