

# Bodela Mahathi

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[Email](#) | [GitHub](#) | [LinkedIn](#) | [Leetcode](#) | [Website](#)

## OBJECTIVE

Enthusiastic software engineer with a solid foundation in artificial intelligence, experienced in PyTorch, TensorFlow, and React. Demonstrates strong problem-solving skills with top competitive coding rankings. Dedicated to continuous learning and impactful AI-driven projects.

## EDUCATION

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| <b>National Institute of Technology, Andhra Pradesh — <i>B.Tech CSE</i></b><br>8.61 CGPA | <i>November 2021- Present</i> |
| <b>Narayana Junior College, Hyderabad, Telangana — <i>XII</i></b><br>97.2%               | <i>2019 - 2021</i>            |
| <b>ZPHS High School, Kadapa, Andhra Pradesh — <i>X</i></b><br>10 GPA                     | <i>2014 - 2019</i>            |

## PROJECTS

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|--|--------------------------------|
| <b>Photo To VangGogh Style Converter</b>   <i>GANs, CNN, PyTorch, Streamlit</i><br><ul style="list-style-type: none"><li>Explored <b>style transfer techniques</b> using <b>Cycle GAN</b> with <b>Identity Loss</b>.</li><li>Developed model that translates natural images to Van Gogh style portraits.</li><li><a href="#">Application</a>   <a href="#">GitHub</a></li></ul>  | <i>June - July 2024</i>        |
| <b>Hate Speech Detection Using MTL</b>   <i>Natural Language Processing, PyTorch, MTL, Gradio</i><br><ul style="list-style-type: none"><li>Leverages knowledge gained from sentiment analysis, polarity detection in Hate speech detection.</li><li>Developed 3 MTL models with a shared encoder <b>BERT</b> and 3 task specific heads and 1 STL model to compare.</li><li><b>F1 Scores:</b> STL 66.4%, MTL 72.37%.</li><li><a href="#">Application</a>   <a href="#">GitHub</a></li></ul> | <i>January - May 2024</i>      |
| <b>Telugu POS Tagger</b>   <i>Natural Language Processing, Tensor Flow, Streamlit</i><br><ul style="list-style-type: none"><li>Developed a model to output POS tags of a given Telugu sentence using Streamlit Interface.</li><li>Implemented architectures that include <b>HMM, VITERBI, CRF, LSTM</b>.</li><li><b>Accuracy:</b> 96%</li><li><a href="#">Application</a>   <a href="#">GitHub</a></li></ul>   | <i>January - May 2023</i>      |
| <b>PortGen.io</b>   <i>MongoDB, Express, React, Node.js</i><br><ul style="list-style-type: none"><li>Developed a full stack web application using <b>MERN stack</b> and <b>REST</b> framework.</li><li>User chosen portfolio themes will be displayed with their details fetched from the database.</li><li>Utilized <b>MongoDB</b> as the database and <b>Material UI</b> for UI design.</li><li><a href="#">GitHub</a></li></ul>   | <i>October - December 2023</i> |

## SKILLS

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|---------------------|---|
| <b>Languages</b>    | C/C++, Java, Python, JavaScript, HTML/CSS, SQL  |
| <b>Tools</b>        | PyTorch, NumPy, Scikit-Learn, Matplotlib, Pandas, React.js, TensorFlow, Keras.            |
| <b>Fundamentals</b> | Artificial Intelligence, Deep Learning, Database Management, Natural Language Processing. |

## ACHIEVEMENTS

- Solved over 400+ problems on LeetCode.
- Ranked in the top 28% of coders on LeetCode with a rating of 1564.
- Secured position in top 2% in NPTEL Online Certification Exam on [Cloud Computing](#)

## CLUBS AND ACTIVITIES

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| <b>Vrindavanam Club</b>   <i>Executive</i><br><ul style="list-style-type: none"><li>Organized multiple events in both Tech fest and Culture fest</li><li><a href="#">Certificate</a></li></ul> |
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