JYOTHSNA DARLA

B.Tech , Computer Science Engineering (CSE),2026.
9391681988 | jyothsnadarla464@gmail.com
LinkedIn: https://www.linkedin.com/in/jyothsna-darla-90579128b
Github: https://github.com/JyothsnaDarla

Objective

Dedicated and skilled B.Tech (CSE) student with strong problem-solving and project development experience in Java Full Stack and AI/ML. Seeking an opportunity to apply my technical skills, creativity, and passion for learning in a dynamic and growth-oriented organization.

Education

Bachelor of Technology (CSE) **2022-2026**
Sri Vasavi Engineering College, PedaTadepalliGudem

Intermediate **2020-2022**
Sri Sai Junior College, Tanuku

Secondary School **2019-2020**
Z.P. High School, Krishnayapalem

Technical Skills : C , C++ , Java ,Python, SQL, JavaScript , Data Structures & Algorithms, Machine Learning, NLP, MS Word, MS Excel, PowerPoint, Pandas, NumPy, Matplotlib, TensorFlow, Keras, BeautifulSoup, Selenium.
Soft Skills : Communication, Adaptive, Problem-solving, Time-management, Self-discipline.

Projects

- **Traffic flow prediction using NLP**: Developed a web-based application to predict traffic congestion levels using Natural Language Processing (NLP) and geographical data.
  -Built a custom dataset with real-time traffic descriptions, locations, and labels.
  -Used ML models to classify traffic as heavy or smooth based on text and GPS data.
  -Integrated a Flask web app with interactive maps and location-based traffic prediction.
- **URL shortener**: Developed a URL Shortener application using Spring Boot, implementing RESTful APIs for URL shortening and redirection. Utilized JPA for database management, ensuring seamless mapping of long URLs to short codes. Integrated randomized short code generation and database persistence to provide scalable and efficient service.
- **Python Mini Projects**
  - Data Analysis: Used Pandas, NumPy, Matplotlib for data manipulation and visualization.
  - Web Scraping: Extracted HTML data using Selenium and Beautiful Soup.
  - CNN Model: Identified brain tumor using deep learning and TensorFlow/Keras.

Internship:

DSA using Java – Virtual Internship (June 5 – July 5, 2025): Gained practical experience in advanced DSA concepts including trees, graphs, and dynamic programming.

Certificates

- Microsoft Certified: Azure AI Fundamentals
- Cloud Virtual Internship #AWS
- NPTEL. Data Structure and Algorithm using Java