CHAVVAKULA LASYAVALLI

Bachelor of Technology
Computer Science and Engineering (DS)
Pragati Engineering College, Surampalem

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EDUCATION

- **Bachelor of Technology in Computer Science and Engineering (Data Science)** *2022 - 2026*
  Pragati Engineering College, Surampalem   CGPA: 9.19

- **Board Of Intermediate Education A.P (M.P.C)** *2020 - 2022*
  G B R Junior College, Anaparthi   Marks: 948

- **SSC** *2019 - 2020*
  Z P P High School, Singampalli   Marks: 576

PERSONAL PROJECTS

- **Image Compression | GitHub** *May '24 - Jun '24*

Developed a Streamlit app for image compression using K-means clustering to reduce color count, enhancing performance while preserving visual quality.

- This app provides an easy-to-use interface where users can upload an image, choose the desired number of colors (clusters), and download the compressed image.

- This technique effectively reduces the file size and simplifies the image by limiting the color palette.

- **Technologies used:** Python, Streamlit, OpenCV, NumPy, Scikit-learn.

- **Crowd Management | GitHub** *March '24*

Developed a comprehensive crowd management system to enhance safety and efficiency in public spaces.

- Designed and implemented machine learning algorithms to predict crowd density and identify potential bottlenecks, enabling proactive decision-making.
- Integrated real-time data processing for dynamic crowd monitoring and response.

- Collaborated with stakeholders to ensure system scalability and effectiveness in various public environments.

- **Technology Used:** Python, Machine Learning.

TECHNICAL SKILLS AND INTERESTS

- **Programming Languages**   : Python, Java, HTML+ CSS
- **Tools and Frameworks**   : Git/GitHub, VS Code, Powerbi, Streamlit
- **Core Subjects**   : Data Structures & Algorithms, DBMS, OOPS
- **Soft Skills**   : Strong teamwork, Time management
- **Areas of Interest**   : Cloud Computing

CERTIFICATIONS

- **Programming in Java** (Issued by NPTEL IIT Kharagpur, [July, 2024]) **Link**

- **Amazon Web Services – Configuration and Deployment** (Issued by Brain O Vision,[April,2024]) **Link**

- **Java Programming Fundamentals** (Issued by EDX, [Feb, 2024]) **Link**

- **Micro Certification Service Now** (Issued by ServiceNow, [Nov, 2023]) **Link**

- **Python for Data Science** (Issued by NPTEL IIT Madras, [Aug, 2023]) **Link**

- **Employability Skills Advance** (Issued by Wadhwani Foundation, [June, 2023]) **Link**

ACHIVEMENTS

- **Winner - Smart Pragati Hackathon (Internal)**

Contributed as a core team member to develop an innovative Crowd Management System that uses machine learning and real-time data analytics for effective crowd control.

- **Academic Merit Certificates**

Awarded for outstanding academic performance in 1-1 , 2-1 and 3-1 semesters.

- **Coding Platforms**

  - **Leetcode**

  - **GFG**

  - **HackerRank**