Mohan Venkata Rami Reddy Gudibandi

Linkedin: linkedin.com/in/mohan-gudibandi/
GitHub: github.com/Mohan2347
Email: gudibandimohan95@gmail.com
Mobile: +91-9392409489

SKILLS

- **Languages**: Python, Java, C++
- **Frameworks/Libraries**: PyTorch, TensorFlow, MatLab
- **Tools/Platforms**: Jupyter Notebook, Google Colab,VS code, GitHub
- **Soft Skills**: Strong Analytical skills, Problem Solving Skills and good in communication skills

TRAINING

- **Board Infinity** June 2024 - July 2024
  Summer Training in Data Structures &Algorithms

  - Completed a one-month training focused on Data Structures and Algorithms (DSA), strengthening problem-solving and algorithmic skills
  - Implemented efficient algorithms and data structures such as arrays, linked lists, trees, graphs, and dynamic programming to optimize solutions
  - Developed optimized solutions using programming languages like Java

  Tech Stack: Java , Data Structures & Algorithms

PROJECTS

Handwritten Digit Recognition Model December 2024

- Built a CNN using PyTorch to classify handwritten digits with 98.5% accuracy
- Preprocessed images and optimized model performance using data augmentation
- Deployed the model using Flask for real-time digit recognition
- Evaluated model performance using confusion matrices and precision-recall curves

Tech Stack: Python, PyTorch, NumPy, OpenCV, Flask

Signal Processing and Noise Reduction March 2024

- Developed a MATLAB-based system to filter noise from real-world audio signals
- Applied FFT for frequency analysis and improved Signal-to-Noise Ratio (SNR)
- Visualized signal transformations using MATLAB's plotting tools
- Compared filter performance with traditional noise reduction methods

Tech Stack: MATLAB,Signal Processing Toolbox, FFT

CERTIFICATES

- **C++ Programming Certification – Coursera** October 2023 - February 2024
  Gained proficiency in C++ programming, covering object-oriented concepts, data structures, and algorithms
- **The Bits and Bytes of Computer Networking – Google (Coursera)** August 2023 – November 2023
  Learned networking fundamentals, including TCP/IP, DNS, cloud computing, and network security
- **SQL For Data Science Certification – Great Learning** January 2023 – February 2023
  Gained expertise in SQL for data extraction, manipulation, and analysis, focusing on real-world data science applications

ACHIEVEMENTS & EXTRACIRRICULAR ACTIVITIES

- **Hacker Rank 5-star Python Badge** March 2023
  Achieved a 5-star badge on HackerRank for exceptional Python programming skills and problem-solving abilities

EDUCATION

- **Lovely Professional University** Phagwara, Punjab
  B. Tech - Computer Science and Engineering; ***CGPA : 6.03*** *Since August 2022*

- **Vignana Bharathi Junior College** Chirala, Andhra Pradesh
  Intermediate; ***Percentage: 82.9%*** *April 2020 - March 2022*

- **Oxford High School** Parchur, Andhra Pradesh
  Matriculation; ***Percentage: 96%*** *April 2019 - March 2020*