Nagiripati Chakradhar Varma

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EDUCATION

- **Indian Institute of Information technology, Kottayam** — Kerala, India
  Bachelor of Technology - Information Technology; CGPA: 6.14 — *Dec 2020 - Apr 2024*
  Courses: *Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases, Web Development, Object Oriented Analysis and Design, Compiler Design, Software Design Patterns*

- **Narayana Junior College** — Nellore, India
  Intermediate; GPA: 7.84/10 (721/1000) — *2018 - 2020*

- **Sri Chaitanya E.M High School** — Nellore, India
  10th Standard; GPA: 7.3/10 — *2017 - 2018*

SKILLS SUMMARY

- **Languages:** Python, HTML, CSS, JavaScript
- **Frameworks:** TensorFlow, Keras, Pytorch
- **Database:** MySQL, Spark SQL
- **Tools:** Docker, Github, VSCode, Eclipse
- **Platforms:** Linux, Windows, AWS
- **Soft Skills:** Leadership, Event Management, Writing, Public Speaking, Time Management

PROJECTS

- **Closest Celeb Match (Computer Vision):**
  - The code utilizes Python, PyTorch, OpenCV, Scikit-learn, and FaceNet libraries.
  - The utilization of Siamese networks trained on a dataset of Bollywood actors' images has led to the development of a highly accurate facial recognition system.
  - achieved a 97% accuracy rate signifies its proficiency in identifying and matching faces.

- **Personal Portfolio Website:**
  - **Tools technologies used :** HTML, CSS, JavaScript.
  - Developed a personal portfolio website which is dynamic and visually appealing online showcase of my work and skills. It boasts a responsive design that adapts seamlessly to different devices and screen sizes. The website features an innovative contact form that's connected to Google Sheets, making it easy for visitors to reach out to me.
  - To enhance user experience, my website includes both dark and light modes, allowing users to choose their preferred viewing option. The addition of Typed.js adds a touch of interactivity by creating animated typing effects, while Scroll Reveal ensures a captivating scrolling experience by gradually revealing content as users navigate through the site.
  - Overall, my portfolio website is a well-crafted blend of technology and design, highlighting my skills and creativity in a memorable way.

- **Image Editor Using JavaScript:**
  - The HTML file creates the structure, while the CSS file styles the components to provide a user-friendly picture editor interface.
  - The JavaScript file plays a crucial role in handling different functionalities such as image upload, application of filters, rotation/flipping, and saving of modified images.
  - When these files are combined, they form a useful and visually pleasing image editing tool.

- **Heart Disease Prediction:**
  - Predict heart disease using Pandas, Matplotlib, Seaborn, and Scikit-learn.
  - **Data Exploration:** Loaded and explored data using Pandas, visualized via histograms.
  - **Feature Engineering:** Conducted correlation analysis, transformed categorical features into dummy variables, and applied feature scaling.
  - **Three classification algorithms were implemented and evaluated:**
  - **K-Neighbors Classifier:** Achieved 84.47% accuracy with K=12.
  - **Decision Tree Classifier:** Reached 82.48% accuracy with max-depth=3.
  - **Random Forest Classifier:** Obtained 85.39% accuracy with n-estimators=90.

CERTIFICATIONS

- **Data Analysis with Python By IBM** — Remote, Aug 2023
  Successfully completed Data analysis and worked on real time project "house sale in king county,USA".

- **Web Development Bootcamp by Udemy** — Remote, Aug 2023
  Managed to complete all latest technologies used web development and worked on hands on projects

- **Master Class on Data Structures and Algorithms using C/C++ by Udemy** — Remote, sep 2023
  Completed all data structures and finished advanced algorithms