SHASHANK PENTALA

About

I am a passionate Computer Science student completed a Bachelor's degree with a specialization of Artificial Intelligence and Machine Learning in Computer Science. I have a solid foundation in programming languages and stay updated with the latest industry advancements through online courses, workshops, and hackathons. I possess strong analytical and problem-solving abilities and enjoy collaborating with multidisciplinary teams. I am eager to contribute to cutting-edge projects and make a positive impact in the industry. Seeking the position of Associate Software Engineer to leverage my skills in Cyber Security, Artificial Intelligence and Machine Learning.

Education

Kalasalingam Academy of Research and Education
B-Tech, Computer Science (AIML), Tamil Nadu   (2020-2024)
GPA: 9.33

Sri Chaitanya College Intermediate Education
MPC, Vijayawada, Andhra Pradesh   (2018-2020)
GPA:9.71

Dr. KKR's Gowtham Concept School
Secondary School Education, Vijayawada, Andhra Pradesh   (2017-2018)
GPA:10

Experience

- Gold Batch in HackerRank - *https://www.hackerrank.com/h9920004160*
- Class Representative
- Organized and coordinated many Programs and Contests in campus
- Participated in codeathon and other coding events

Expertise

- Python
- Java
- C
- Power Bi
- HTML
- SQL
- Java script
- Data Structures and algorithms
- Machine Learning
- Deep Learning

Projects

- **Visa Spam Recognition:**

  This project deals with the development of a Visa Spam Recognition System using Genetic Algorithm to reduce false transactions and limit fraud-prone card limits, resulting in accurate fraud identification. Conducted research on metaheuristic methodologies and performed evaluations using real-world datasets for efficient fraud detection.

- **Movie Recommendation System:**

  Skilled in developing recommender systems using Recommender lab and R programming, proficient in data preprocessing and visualization with reshape2, DT, ggplot2, and readr packages. Expertise in implementing collaborative filtering, content-based filtering, and hybrid filtering techniques for personalized recommendations. Effective communicator of analytical findings to stakeholders.

- **Face Mask Recognition using CNN:**

  Experienced in developing and implementing face mask detection models using Convolutional Neural Network (CNN) with Mobile Net architecture, achieving accuracy rates above 96%. Proficient in TensorFlow, Keras, and OpenCV for image processing and deep learning tasks. Skilled in optimizing neural networks for lightweight and fast performance.

- **Text Extraction from Image, Voice, Video using NLP:**

  Proficient in implementing Natural Language Processing (NLP) techniques to extract text from images, voice recordings, and videos. Skilled in utilizing OCR, speech recognition, and language models for accurate and efficient text extraction.

- **Crop and Fertilizer Recommendation System and Disease Prediction (Community Service Project):**

  Skilled in developing and implementing an advanced Crop and Fertilizer Recommendation System along with Plant Disease Prediction using Machine Learning algorithms, achieving high accuracy rates for crop yield optimization. Successfully designed and tested a farmer-friendly intelligent setup resulting in improved crop yield, quality, and environmental sustainability in modern agriculture practices.

Publications

- Published paper in IEEE for the project "Scam Recognition in Visa/Credit Card Using Genetic Algorithm":
  https://ieeexplore.ieee.org/abstract/document/9823629/

- Published paper in IEEE for the project 'CNN-Driven Approach for Crop, Fertilizer Recommendation and Leaf Disease Solution

  https://ieeexplore.ieee.org/abstract/document/9823629/

Internship

- Process Mining - Celonis Virtual Internship – AICTE:

  https://drive.google.com/file/d/1gFNNyuItmCcrWdaBYUgaW0tp3a-CZnc2/view?usp=sharing

NPTEL Courses

- <u>Operations Management</u> –

  https://drive.google.com/file/d/1yE47uqHe2HCyVy9CKPehYYUihNTV9POw/view?usp=drive_link

- <u>Municipal Solid Waste Management</u> –

  https://drive.google.com/file/d/1B6_jsnWAvWQnl2VwqhWx4WaT_r4mOp-X/view?usp=drive_link

- <u>Wildlife Ecology</u> –

  https://drive.google.com/file/d/1zVKIlSuwOvbpzwXCN_xfPzi1fOUHJ9tJ/view?usp=drive_link

- <u>Forests and their Management</u> –

  https://drive.google.com/file/d/1V3QtGjselflZijeJ8OXzw99nAy4D-nAs/view?usp=drive_link

Soft Skills

- Problem solving
- Team Leadership
- Public Speaking
- Organization
- Communication
- Fast Learner
- Active Listening
- Time Management

Hobbies

- Photography
- Gardening
- Reading Books
- Cooking
- Music
- Travelling

Profile Links

- Gmail   shashanksunny42@gmail.com
- LinkedIn   https://www.linkedin.com/in/shashank-chowdary
- GitHub   https://github.com/Shashank-Chowdary
- Hacker Rank   https://www.hackerrank.com/h9920004160?hr_r=1
- Portfolio   https://shashank-chowdary.github.io/shashankportfolio/

Declaration

I hereby proclaim that the details provided in the resume are true to the best of my knowledge and I shall bear all responsibilities for their accuracy.

Date: *Signature*