Yashwanth Kumar Chamakura

 github.com linkedin.com yashwanthkumar.chamakura@gmail.com

EDUCATION

CMR College Of Engineering & Technology   2020 - 2024
B.Tech- CSE(AI&ML)   *CGPA: 8.56*

Narayana Junior College   2018 - 2020
Intermediate   *Percentage: 93.5%*

Brilliant Grammar High School   2018
High School   *CGPA: 9.8*

SKILLS

Languages: C, C++, Java, Python, R, Javascript, HTML, CSS, Reactjs, Django
Tools & Libraries: Git/GitHub, VS Code, OpenCV, ShinyR, Matplotlib, Bootstrap, Keras, MySQL, numpy, pandas, Machine Learning, Spreadsheets, Tableau, Deep Learning

PROJECTS

Automatic Number Plate Recognition | Github | *Python, Image Processing, OpenCV, Tkinter, Excel*
- Designed an application capable of text recognition from provided images of number plates.
- Maintains an up-to-date Excel spreadsheet containing vehicle numbers, states, and timestamps.
- Designed a user friendly interface using Tkinter library.
- Utilized PyInstaller to convert Python code into an executable (EXE) file, ensuring the project's compatibility and functionality on any system without the need for a Python installation.

DWiz | Live Project | Github | *R, Ggplot, Tidyverse, ShinyR, CSS, Bootstrap, Shinyapps Cloud*
- Developed a web application for data visualization leveraging R programming language.
- Utilized the most powerful visualization package Ggplot to create compelling data visualizations.
- Built the web interface with ShinyR, employing CSS and Bootstrap for enhanced design and functionality.
- Deployed the project to Shinyapps Cloud platform, enabling live viewing and accessibility.

Image Captioning using Deep Learning | Github | *Python, Keras, Tensorflow, Pillow, Deep Learning models*
- Developed an image captioning system using state-of-the-art deep learning techniques, including Convolutional Neural Networks (CNNs) and Recurrent Neural Networks (RNNs).
- Trained the model on Flicker Dataset comprising high-resolution images paired with corresponding descriptions.
- Collaborated with a team of 3 to develop the deep learning model for object recognition.
- Employed deep learning techniques, including the Gated Recurrent Unit (GRU), to generate captions.

College Management Portal | Github | *Python, Django, MySQL, CSS, Bootstrap*
- Developed a comprehensive College Management Portal using Django aimed at features such as student enrollment, attendance tracking, grade management and applying for leaves
- Implemented robust data models, integrated database management, and designed secure user authentication and authorization.
- Created distinct login systems for faculty and students, with a specialized mentoring feature connecting students to designated faculty members.

CERTIFICATIONS AND ACHIEVEMENTS

Google/Data Analytics Professional Certificate | Certificate
Completed extensive six month job-ready Google Career Certificate training. Demonstrated hands-on experience with data cleaning, data visualization and Project management.

Certificate of AI-ML Internship | Certificate
Successfully completed 10 weeks AI-ML virtual internship by AICTE supported by AWS academy

Participated in DevJam 2.0 Hackathon organized by CMR College of Engineering & Technology | Certificate
Spearheaded a 5-member team in the development of a College portal, utilizing PHP and MySQL.

Runner up in Web Development Competition in Azura(2022).

Active member of Computer Society of India(CSI).

Organised and assisted various college-level festivals and events.