YASESVI REDDY PEBBETI

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SUMMARY

Master's student in Computer Science with expertise in front-end development and intermediate coding skills in Java, Python, and C++. Adept at designing intuitive user interfaces and solving complex problems with innovative solutions. Strong communicator with a proven track record of effective teamwork and project execution.

PROFESSIONAL EXPERIENCE

Advanced Oceanographic Data Analysis: Exploring Python Tools & Alternatives, — May 2023 – Jun 2023
Internship
- Investigated sea surface temperatures in the Bay of Bengal, Arabian Sea, and Indian Ocean using image processing, remote sensing, QGIS, Google Earth, and Jupyter Notebook.
- Utilized Python for advanced statistical analysis and machine learning to extract insights and interpret oceanographic data.
- Explored alternative tools and methodologies to optimize data analysis for marine and climate research.

PROJECTS

Plant Disease Identification & Pesticide Recommendation Using CNN — Nov 2023 – Jun 2024
- Developed a web-based system using CNN, AI, and ML to analyze plant images, identify diseases, and recommend pesticides.
- Streamlined plant health management by automating disease diagnosis and providing targeted pesticide recommendations through a user-friendly interface.

Content Based Movie Recommendation System — Jul 2023 – Sep 2023
- Built a recommendation system using content-based filtering, leveraging movie attributes such as genre and language for personalized suggestions.
- Developed using Python for backend processing and HTML for the frontend, enhancing user experience by offering tailored movie recommendations without relying on viewing history.

CERTIFICATES

Android Application Development
During a two-day workshop led by the Department of Information Technology at Matrusri Engineering College and the Institution of Engineering India, basic calculator and text messaging applications were created.

ARM Cortex-M3 Application
Examined the ARM Cortex-M3 Application and built a simple model to examine the operation of the ARM Cortex

Electronics & Robotics
Participated in a Workshop/Course on Electronics & Robotics jointly organised by B M Birla Science Center and ETHC BRICKS.
Created a Small Working Robot Model to move small objects from one side to the other

PUBLICATIONS

Plant Disease Identification and Pesticide Recommendation Using CNN, *IJIRCCE* — Jun 06, 2024
Made a paper publication about one of my Projects in the IJIRCCE

SKILLS

Languages — C,C++ | Java | Python | Front-End Development | Data Research | Data Analysis

Developer Tools — VS Code | Android Studio | Jupyter Notebook

Web Technologies — HTML | CSS | JavaScript

ML/AI — Open CV | Tensorflow | Pytorch

Misc — Microsoft Office Suite | Project Management | Document Management | Presentation Skills | Time Management | Adaptability | Teamwork

EDUCATION

SUNY POLY Institute, *Masters in Computer Science* — Aug 2024 – present

Matrusri Engineering College, *Information Technology (B.E)* — Nov 2020 – Jun 2024