KALYANA TIRUPATHI RAO

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SUMMARY

Dedicated Data Science student with a robust foundation in statistics, mathematics, and computer science. Proficient in Python and R, with hands-on experience in data mining, machine learning, data visualization, and big data technologies. Demonstrates strong instructional techniques, leadership abilities, and advanced problem solving skills. Experienced in event coordination and providing excellent management support. Skilled in critical thinking and effective communication, passionate about using data to solve real-world problems, and eager to apply expertise in a professional setting to drive informed decision-making.

TECHNICAL SKILLS

Programming Languages: Python, C, Java, Java Script, SQL

Frameworks: TensorFlow, PyTorch, Keras, Hadoop

Libraries & Tools: NumPy, Matplotlib, Pandas, Scikit-learn, OpenCV, NLTK, Git

Additional Skills: Data Visualization, Machine Learning Algorithms, Data Wrangling and Cleaning, Big Data Technologies, HTML, CSS, Java Scrip

Soft Skills: Effective communication, team collaboration, leadership, problem solving, critical thinking, time management, adaptability, creative thinking, interpersonal skills

PROJECTS

Movie Recommendation System   Jan 2023 – Feb 2023
Machine Learning Project   *Python, TensorFlow, OpenCV*
  • Developed an end-to-end system for generating personalized movie recommendations.
  • Utilized collaborative filtering and content-based filtering techniques for user preference analysis.
  • Achieved state-of-the-art performance on benchmark datasets.

cervical cancer prediction   Mar 2024 – Apr 2024
Machine Learning Project   *Python, Data Analysis*
  • **Early Detection**: Helps identify cervical cancer early, improving treatment success.
  • **Data Analysis**: Uses patient data to predict cancer risk through machine learning.
  • **Preventive Care**: Aids in recommending screenings and interventions to prevent cancer.

EXPERIENCE

Teaching Assistant   Sep 2022 – Feb 2024
Python, C, Data Structures   *KIET-GROUPS , Kakinada*
  • Taught classes for junior students during B.Tech graduation.

Internal Quality Assurance Cell (IQAC) Member   Jan 2022 – May 2024
                                                                       KIET-GROUPS , Kakinada
  • Played a crucial role in organizing and conducting meetings for higher authorities.
  • Involved in quality assurance processes and continuous improvement initiatives.

Intern, Data Science and Machine Learning   Sep 2022 – Feb 2024
                                                                          IIIT- HYD, Edurekha
  • **IIIT Hyderabad** :Gained hands-on experience in data science and machine learning projects.
  • **Edureka** :Participated in practical training and projects related to data science and machine learning.

EDUCATION

Kakinada Institute of Engineering and Technology JNTUK, Kakinada
B.Tech. in Computer Science (Data Science) *2021 – 2025*

Gayatri Junior College AP State Board, Srikakulam
+2 education in MPC streem(Mathematics, Physics, and Chemistry) *2019 – 2021*

CERTIFICATIONS

- Google Analytics Certification
- TCS iON Career Edge - Young Professiona
- Data Fundamentals - IBM SkillBulid
- Fast Track Python - iNeuron
- Generative AI - Microsoft and Linkedin
- CyberSecurity Essentials, Data science - CISCO
- DBMS -Pantech e Learning
- Developing Static web-page - VOIS