Rokkam Sai Praveen

Roll No.: 20BQ1A05L0
Bachelor of Technology
Computer Science and Engineering
Vasireddy Venkatadri Institute of Technology

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⬡ View Portfolio
 GitHub Profile
 LinkedIn Profile

EDUCATION

- **Bachelor of Technology in Computer Science and Engineering** *2020-2024*
  Vasireddy Venkatadri Institute of Technology, Guntur CGPA: 8.97
  – Completed challenging coursework, including Data Structures & Algorithms in 4 years of Engineering.

PERSONAL PROJECTS

- **Plant Disease Detection Using YOLOv7 Algorithm** *Febraury 2024*
  Led a team in developing an advanced of citrus plant disease detection model using the YOLOv7 algorithm.
  – Managed data collection of 720 images of citrus leaf and classified them into either diseased or healthy by training.
  – Upon execution we have achieved accuracy of **91.6%** and could infer an image either by uploading or by webcam.
- **Firebase Image Gallery** *January 2023*
  Enhanced user interaction with a responsive image gallery experience and over 200 users could login at a time.
  – Developed an interactive image gallery application, enabling users to upload, view with a user-friendly interface.
  – Optimized image loading, resulting in a **25%** reduction in page load time and improved user experience.
- **Air Quality prediction** *July 2022*
  Implemented classification and regression techniques to develop a predictive model for future air quality of 4 cities.
  – Trained the model with a dataset, achieving an accuracy of **85%** in predicting air quality trends.
  – Leveraged a carefully curated dataset comprising 10,000 data points to train the model, ensuring precision and robustness in predictions.

EXPERIENCE

- **Salesforce Developer Internship** *April 2023-May 2023*
  SmartInternz Virtual
  – User optimized Apex classes for performance and configured declarative elements for efficiency.
  – User integrated external systems with Salesforce, improving data flow and automation across platforms.
- **Machine Learning Internship** *March-May 2022*
  SmartKnower Virtual
  – Applied machine learning algorithms to real-world datasets, achieving a model accuracy of **90%**.
  – Contributed to the development of a recommendation system, increasing user engagement by **25%**.

CERTIFICATIONS

- **Azure Developer Associate** *April, 2023*
  Microsoft AZ-204

  ∗ Successfully completed the AZ-204 certification, demonstrating proficiency in Azure development.
  ∗ Applied Azure functions to optimize a cloud-based application, resulting in a 30% cost reduction.

TECHNICAL SKILLS AND INTERESTS

Skills: Python, Javascript, HTML+CSS, Java, Tailwind Css, PowerBI, Figma, Machine Learning, Data Science
Libraries : Python Libraries, ReactJs
Web Dev Tools: Git, Github, Figma, VSCode
Cloud/Databases:MongoDb, Firebase, Relational Database(mySql), Azure Cloud
Relevent Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering.
Areas of Interest: Front End Development, Machine Learning, Data Science and Artificial Intelligence.
Soft Skills: Continuous Learning, Presentation, Communication, Interpersonal and Teamwork.

ACHIEVEMENTS

∗ **Participated in a 24-hour Hackathon at V.R. Siddhartha College** Vijayawada *6-7 October, 2023*
  · Attracted a substantial audience, showcasing robust Teamwork and Coding Skills under deadline of 24 hrs.
  · Engineered an award-winning MERN stack application, securing the top prize among 35 competing teams.
  · Collaborated in a **cross-functional team** of 4 members, the development of the project's **Frontend** architecture.

∗ **Achieved Technical Mastery: 600+ Challenges.** *Geeks For Geeks, LeetCode*
  · Achieved a 95% accuracy rate in solving over 600 algorithmic challenges on Geeks For Geeks and LeetCode.
  · Elevated Proficiency in Python programming, showcasing advanced Algorithmic Thinking and mastery of Data Structures in these 2 platforms.