Vrinda Sanivarapu

+91 6383075456 | sanivarapuvrinda@gmail.com | 16/09/2004

EDUCATION

Vellore Institute of Technology Chennai, TN
Btech in Computer Science, CGPA - 8.60 *Aug. 2021 – Aug. 2025*

Narayana Institutions Vijayawada, AP
Higher Secondary School, CGPA - 8.00 *2021*

Nalanda Vidyaniketan Vijayawada, AP
Secondary School, CGPA - 8.40 *2019*

TECHNICAL SKILLS

Languages: Python, C, C++, HTML/CSS
CS Fundamentals: Data Structures and Algorithms, OOPS, Computer Networks, Operating Systems, Database
Management Systems
Databases: SQL

EXPERIENCE

Intern at CodeBind Technologies | *HTML/CSS, Javascript, SQL, Adobe Photoshop*
- Designed a restaurant template using Adobe Photoshop, enhancing creative and design skills.
- Developed a website for a construction company, utilizing HTML/CSS, JavaScript, and SQL, and gained hands-on experience in web development.
- Collaborated with a team to deliver a professional web solution, improving problem-solving and project management abilities.

PROJECTS

Employee Attrition | *Apache Spark, Python*
- Leading an ongoing project to develop a predictive model for employee attrition using Apache Spark to minimize business disruption and optimize HR interventions.
- Analyzing a dataset of 1470 employee survey responses.

Enhancing Data Compressing using Huffman and BWT Algorithms | *Python, Javascript, MySQL, CSS, HTML*
- Published research paper in the esteemed ICARS, IEEE journal
- Combined Huffman coding and Burrows-Wheeler Transform (BWT) for improved image compression.
- Used dynamic programming to optimize and achieve higher compression ratios and efficient encoding/decoding.

ChronoVision | *Python, OpenCV, CNN*
- Developed an AgePredictor using Convolutional Neural Networks (CNN) in Python with OpenCV. Created an interactive live webcam application for real-time age prediction.
- Implemented data preprocessing techniques: grayscale conversion, resizing, and one-hot encoding of age ranges

CERTIFICATIONS

- Microsoft Azure Administrator– AZ104
- AWS Cloud Practitioner– Amazon
- The Complete Oracle SQL Certification Course– Udemy
- Spoken Tutorial by IIT Bombay Advanced CPP, C and Python 3.4.3

POSITION OF RESPONSIBILITIES

Member of Marketing Team Aug. 2023 – Present
Fraternity of Young Innovators *VIT Chennai, TN*