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ROSHNI

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Education

Bachelors of Technology in Computer Science and Engineering Shri Vishnu Engineering College for Women, Bhimavaram	CGPA: 9.01 / 10 2022-2023(Present)
High School Dr KKR's Gowtham EM School	Percentage: 99.5 2019-2020

Skills

Programming Language	C++, Python, C, HTML, CSS, JavaScript, Java, python for Data Analysis and Machine Learning
Tools and Databases	Windows, Git, VS code, Github, SQL
Lib/Frameworks	Django, NumPY, Pandas, Scipy, Matplotlib, Seaborn,Plotly
Non-Technical Skills	Time management, Task Prioritization, Creative & innovative thinking, Problem Solving, Collaboration, Communication, Active Listener,Event Organisation, Leadership Qualities

Experience

- Internship: CodeClause Web Development Internship, Maharashtra (Remote)**
- Payment Gateway Integration (HTML, CSS, JavaScript, Payment Gateway API):** Successfully integrated a payment gateway into web applications using HTML, CSS, JavaScript, and Payment Gateway API, ensuring secure and seamless online transactions.
 - Responsive Unit Converter & Responsive Portfolio Webpage(HTML, CSS, JavaScript) :** Designed and developed a responsive unit converter tool and visually appealing and responsive portfolio webpage using HTML, CSS, and JavaScript, enhancing user experience across various devices and screen sizes.
- Internship: MathWorks Virtual Internship Program in Collaboration with AICTE**
- AI Coursework:** Completed comprehensive **AI** coursework covering fundamental concepts in deep learning, machine learning, and data analysis using **MATLAB**.
 - MATLAB Proficiency:** Gained proficiency in using MATLAB, a powerful mathematical software tool, for designing and implementing AI algorithms.
 - Specialized Onramps Completed: MATLAB® Onramp | Image Processing Onramp | Signal Processing Onramp | Machine Learning Onramp | Deep Learning Onramp**

- Achievements in Hacktoberfest 2023**
- Hacktoberfest :** Successfully completed the Hacktoberfest contest in 2023, ranking among the first 50,000 contributors, leading to a tree planted in my honor
 - Contributions to Curious Developers:** Actively contributed to the Curious Developers organization, taking on a pivotal role in creating a dynamic website. This website serves as a hub for comprehensive library documentation and engaging blog posts.

Projects

- Human Pose Detection Project Using CNN and LSTM**
- Objective:** Developed a real-time Human Pose Detection System using Python, TensorFlow, and OpenCV, **Technologies Used:** Python, TensorFlow, OpenCV
 - Impact:** Enhanced user experience in fitness applications by providing accurate real-time feedback on exercise form and posture.
- Standard Template Standardization**
- Technology Stack:** Streamlit for User-Friendly Template Scanning, EasyOCR for Precise Data Extraction and CSV Storage
 - Data Processing:** Meticulous Wrangling to Uncover Patterns and Fraud Indicators, Utilization of Plotly for Interactive Visualizations
- College Management System with Centralized Student Portal**
- Centralized Certification and Academic Reports Repository (Python, Django, Database):** Implemented a secure platform for storing and accessing certifications and academic reports using **Python** and **Django**, backed by a **database**. This streamlined administrative processes and ensured data integrity.
 - Individual Student Interface:** Developed a user-friendly **interface** for individual students using HTML, CSS, and Python, allowing seamless access to academic records, certificates, and course-related information.
- Diabetic Prediction Model Deployment**
- Machine Learning Application:**Utilized Python and machine learning algorithms to develop a diabetic prediction model.
 - Evaluation Metrics:**Achieved a commendable accuracy of 78% in identifying individuals at risk of diabetes.
 - User Interface Development:**Engineered a user-friendly interface for practical use and seamless interaction,Deployed the model, significantly enhancing proactive healthcare interventions and contributing to early identification and management of diabetes risks.

Certifications

| **Python** (Basic) Certification [HackerRank] | **CPP** - 5 Star [HackerRank] | Overview of **Free and Open Source Software for Geospatial Technology** (FOSS4G)(IIRS,ISRO) | **Image Preprocessing** certification [AICTE] | **MATLAB** certification [AICTE] | **Machine learning certification** [AICTE] | **Deep Learning** [AICTE] | **Signal Processing** [AICTE] | **NLP and Computer vision** - (Workshop) | **HTML** (Linkedin) | **CSS** (Linkedin) | **Django** (Linkedin) | **SQL** (Linkedin) | **Java** - Intermediate (SoloLearn)

Awards and Achievements

Best in Academic Excellence Award-2022 by global org **Institution of Engineering and Technology | INEO**(Indian National English Olympiad) by SIMO Education **(AIR-5) | Silver Zone Olympiads- science olympiad-2019 (State Rank 23) | Balkalaratna Award(2014) | NASA Space Apps Hackathon 2023 (National Winner and Global Nominee) | IET (CLN) WEBATHON 2023 (Runner-up) | Admiring Leadership Skills Award - 2023**

Positions of Responsibility

- Institution of Engineering and Technology (IET) - Student Representative (Dec 2022 - Present)**
- Event Organizer and Industry Liaison:** Efficiently oversee a **5L budget** to plan and execute diverse activities, including workshops, seminars, tech talks, technical events, and awards ceremonies, promoting **professional growth** and knowledge exchange among IET members. Proactively connect with industry leaders, including founders and CEOs, to enhance event quality and **networking** opportunities.
- BUILD Club Coordinator - Integration with IIT Madras Research Park**
- Facilitating Student Engagement:** Spearheaded the seamless integration of our club with IIT Madras Research Park, enabling students to actively participate in cutting-edge research projects.
 - Guidance from Top Professors and Experts:** Fostered a collaborative environment where club members received valuable guidance and mentorship from distinguished professors and research experts associated with IIT Madras.