Anusha J Singh

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EDUCATION

Siddaganga Institute Of Technology Tumakuru, Karnataka
Bachelor of Engineering in Information Science *2020 – 2024 , CGPA – 8.24*

GRV PU College Bangalore, Karnataka
Pre-University Course *2020, Percentage – 86.16*

Poorna Prajna Education Centre Bhadravathi, Karnataka
Board of Secondary Education *2018, Percentage – 95.2*

TECHNICAL SKILLS

Programming Languages: C, C++, Python, Java, JavaScript (Basics)
Software / Technologies: HTML, CSS, SQL, Selenium, Pandas, NumPy, Tkinter, BeautifulSoup, Microsoft Excel, Power BI
Developer Tools: Git, GitHub, VS Code
Academic Course Skills: OOPS, Data Structures and Algorithms, DBMS, Operating System, Machine Learning(Basics)

EXPERIENCE

Intern February 2024 – July 2024
Schneider Electric *Karnataka, India*
- Developed and automated key applications for the SDS project using Python.
- Implemented web scraping with BeautifulSoup and created client-focused PowerPoint presentations.
- Utilized Pandas, Matplotlib, Numpy and Tkinter for data analysis, visualization and GUI creation, along with advanced Excel techniques.

Application Developer August 2024 – Present
Schneider Electric *Karnataka, India*
- Developed a program using Python, BeautifulSoup, and Selenium to aggregate data from the ECHA website for creating Material Safety Data Sheets, ensuring safe battery transportation and mitigating risks, including potential explosions, during international shipments.
- Led team representation at the Annual Global Conference, presenting innovative methodologies for functional safety in AI systems.
- Automated legacy systems by creating scalable solutions, improving overall system performance and increasing efficiency by 70%.

PROJECTS

File Integrity Monitoring System using Blockchain | *Python, React, Node.Js, Ethereum,*
Metamask, Pinata, Ganache March 2024
- Developed a blockchain-based system for EHR file integrity monitoring, where patients uploads files to cloud and verify access requests from authorized doctor.
- The system uses hash comparisons (SHA-256) to detect file tampering during uploads and downloads, ensuring data integrity and security, reducing tampering incidents by 95% from the existing system.
- Any discrepancies triggers alerts, providing a reliable method for maintaining the authenticity of sensitive healthcare data.

Heart Disease Prediction System | *Machine Learning, HTML, CSS, JavaScript, Jupyter Notebook* July 2023
- Built a model that predicts cardiovascular disease by analyzing patient medical history.
- Utilized a dataset containing 14 attributes related to heart disease risk factors.
- Improved early diagnosis and intervention for patients at risk of fatal heart disease and successfully achieved the accuracy of 89%.

Responsive Food Delivery Website | *HTML, CSS* Jan 2023
- Created the HTML structure for the entire website by implementing responsive design principles to ensure compatibility with various devices and increasing user engagement by 30 %.
- Developed and styled the navigation menu, sections, forms and other components.
- Conducted thorough testing and debugging to ensure a smooth user experience with optimal performance and reliability.