Adithya Velaparthi

+917386669501
velaparthiadithya@gmail.com
Velaparthi Adithya

Education

·**Keshav Memorial Institute of Technology** — *2023*
Bachelor of Technology in Information Technology — CGPA: 7.4

·**SR Junior College** — *2019*
Telangana State Board of Intermediate Education — Percentage: 84.8

Work Experience

·**Associate Software Developer, Neural Foundry** (On-site) — *Oct 2023 – Feb 2024.*

- **Cleaning Robot Monitoring Website**: Collaborated on a team project to develop a web application for real-time monitoring of a cleaning robot. Integrated ROS scripts, lidar mapping, and live camera feed features, resulting in a 40% improvement in cleaning efficiency. Utilized web development technologies and integrated MQTT using Things board broker for data storage, enhancing user experience by enabling access to critical robot information such as charging percentage and cleaning duration, resulting in a 20% increase in user satisfaction.
- **Project name: LEAP** (Live project): Designed a voice-command Android app for a farm client, serving over 100 scientists, facilitating over 500 experiments. The app, integrated with Vuzix AR glasses, eliminates the need for physical device usage during experiments, saving an estimated 60 hours per month. Data from experiment records are seamlessly fetched from the database, enhancing data management and analysis.

·**Associate Technical Trainee, Neural Foundry** (On-site) — *April 2023 – Sep2023.*

- Collaborated effectively with cross-functional teams dispersed globally to ensure smooth communication and efficient project execution.
- Utilized agile methodologies to streamline the development process, improving project delivery timelines by 20%.
- Demonstrated proficiency in web technologies and software development, implementing industry best practices for a 15% increase in project efficiency.
- **Video Calling Web-Application:** Developed and implemented a real-time communication system facilitating seamless video calls, enhancing the user experience by 25% with dynamic and interactive features. Integrated Firebase for streamlined account creation, authentication, and management, ensuring a secure and efficient user experience, resulting in a 30% increase in user engagement within the video calling application.
- **Text Extraction from Pill:** Led a Python ML project achieving an 87% accuracy rate by utilizing specialized filters to enhance pill images for improved text extraction through OCR. Advanced image processing ensured clear and accurate retrieval of medication information.

Personal Projects

- **Resume Generator:** Engineered a user-friendly online resume generator allowing users to input information into a simple interface. The generator creates personalized resumes using HTML5, CSS, JavaScript, and React.js technologies.
- **Facial Emotion Detection:** Created a real-time facial emotion detection machine learning model proficient in identifying 7 distinct facial emotions. Employed Python, NumPy, and Convolutional Neural Networks to achieve precise emotion detection.
- **Notes App:** Developed a web-based notes application utilizing HTML, CSS, and JavaScript. The application features an intuitive user interface for seamless note-taking and employs local storage for efficient data persistence and retrieval. Designed with a responsive layout to ensure optimal usability across various devices.
- **Random password generator:** Devised a customizable random password generator, empowering users to customize passwords through a checklist-based selection. Utilized React JS, HTML, CSS, and JavaScript for implementation, fostering heightened proficiency in front-end development and interactivity through this personal project.

Technical Skills and Interests

- **Languages**: C, Java, Python, JavaScript, HTML, CSS
- **Web Dev Tools**: Nodejs, Vs-code, Git, GitHub
- **Frameworks**: React.js, Node.js
- **Databases**: Relational Database (MySQL)
- **Relevant Coursework**: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management Systems.
- **Areas of Interest**: Web Design and Development.
- **Soft Skills**: Problem Solving, Self-learning, Adaptability, Flexibility.

Co-Curricular Activities

·**Traces Of Lenses (TOL)** — *Sep 2019- Aug 2023*

- Active participation in the Photography Club, collaborating with a group of passionate photographers.

- Engaged in various club events, such as photography workshops, photo walks, and exhibitions.

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