Valluri Komal Krishna

+44 7900323470 | vallurikomalkrishna57@gmail.com | inkediln.com/in/vallurikomalkrishna2003 | github.com/vallurikomalkrishna

EDUCATION

Sheffield Hallam University   Sheffield, UK
Masters in Computing   *Jan. 2025 – Present*

Anurag University   Hyderabad, India
Bachelors Degree in Mechanical Engineering   *Oct. 2020 – May 2024*

EXPERIENCE

Web Developer   June 2024 – Jan 2025
Anurag University   *Hyderabad, India*
- Designed, developed, and deployed scalable Web applications.
- Implemented key functionalities such as payment gateways, event registration forms, and database connectivity to streamline university operations and Result management.
- Integrated APIs, optimized cloud infrastructure for performance and cost-efficiency.

Full Stack Web Developer   June. 2022 – Oct 2022
Skill Vertex   *Hyderabad, Telangana*
- Designed and built dynamic, responsive web applications using front-end technologies like HTML, CSS, JavaScript (React/Angular) and back-end frameworks like Node.js, Express, or Django
- Developed and integrated RESTful APIs, managed databases (SQL/NoSQL), and optimized data flow for seamless client-server interactions
- Deployed applications on cloud platforms, ensured cross-browser compatibility, optimized website performance, and collaborated with cross-functional teams for continuous improvement

PROJECTS

Integrating Machine Learning in Thread Cutting operation | Jan 2024 – June 2024
- Skills : Python, Meachine Learning Alogrithims, SQL
- To Develop a Robust Machine Learning Model on CNC Lathe Machine for thread cutting operation.
- To Integrate Real-Time Data with Machine Learning Sources
- To Optimize Precision in Lathe Thread Cutting Operation.
- To Demonstrate Practical Application and Integration with Machine Learning Model.

NLP- Speech Emotion Detection | *Python, Algorithms, AWS, ReactJS, Git*   July 2023 – August 2023
- Designed and implemented using NLP techniques to classify emotions from audio data based on features like tone, pitch, and speech patterns.
- Utilized advanced feature extraction methods (MFCCs, Chroma features, Mel Spectrogram) and optimized model performance through comparative analysis of CNN and LSTM architectures
- Applied the model to real-world scenarios, including customer service and mental health monitoring, while addressing ethical concerns related to data privacy and user consent.

AU Pulse | *HTML, CSS, React, Node.js, MySQL, secure user authentication (JWT)*   June 2024 – Jan 2025
- Developed AU Pulse, a centralized mobile application for students to access key academic information, including events, attendance, results, timetables, and fee dues.
- Designed an intuitive and responsive user interface to ensure smooth navigation, enhancing student engagement with real-time updates and notifications.
- Integrated secure backend systems to manage and synchronize student data efficiently, ensuring accurate and up-to-date information across all modules.

TECHNICAL SKILLS

Languages: Java, Python, C , Kotlin, SQL (Postgres), JavaScript, HTML/CSS,
Frameworks: React, Node.js, Flask, WordPress, Material-UI, FastAPI
Developer Tools: Git, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
Libraries: pandas, NumPy, Matplotlib