

Penmatsa Vijay Kumar Varma

 Vijay-KV09 |  Vijay Kumar Varma

 vkvpenmatsa803@gmail.com |  +91 6305953803 |  Portfolio.com

WORK EXPERIENCE

Data Analyst

APSSDC, Virtual Internship June 2023 – August 2023

Analyzed BlueDart's operational efficiency amidst rapid urbanization and industrial growth, identifying critical areas for enhancement. Implemented strategic adjustments that improved service reliability by 30% and elevated customer satisfaction by 15%.

PROJECTS

Blog Application Using MERN Stack

[GitHub Link](#)

- Developed a full-stack blog application with CRUD functionality, enabling users to create, update, and delete blogs; integrated image upload and storage with Amazon S3 for scalable media management.
- Deployed the application on an AWS instance using Jenkins for continuous integration and delivery; utilized Docker containers for efficient hosting and scalability.

Notepad Application Using Java

[GitHub Link](#)

- Engineered a customizable notepad tool that facilitated independent file creation, editing, and reading capabilities
- Implemented core functionalities for file handling, text editing, and graphical interfaces, leveraging Java's libraries and APIs to streamline user input and file I/O operations.

Deployment of Python Application on AWS with Docker

[GitHub Link](#)

- Orchestrated the deployment of a Python-based application on an AWS EC2 instance using Docker for containerization .
- Processed included provisioning the EC2 instance, installing Docker, cloning the GitHub repository, building the Docker image, and pushing it to Docker Hub for easy deployment and scalability.

Random-Quote-Generator

[GitHub Link](#)

- Engineered an interactive random quote generator as a front-end application powered by a publicly available quote API
- Integrated Twitter's API for users to tweet quotes directly from the app.
- Deployed the application in a Docker container for optimized scalability and streamlined management, ensuring smooth performance even during high traffic periods.

EDUCATION

2021 - Present	Bachelor's Degree at SRM University-AP	GPA: 8.28/10.0
2019 - 2021	Class 12th at Narayana Junior College	Percentage: 95.8
2018 - 2019	Class 10th at Narayana E-Techno School	Percentage: 90.25

PROGRAMMING LANGUAGES AND FRAMEWORKS

- **Front-End Web Development:** HTML, CSS, JavaScript, TypeScript
- **Frameworks:** React, Node.js
- **Databases:** MongoDB, MySQL
- **Programming Languages:** Python, Java, C++, Linux
- **Miscellaneous:** Operating Systems, Computer Networks, DBMS

DEVOPS SKILLS

- **Containerization and Cloud:** Docker, AWS
- **Version Control and CI/CD:** Git, GitOps, Jenkins, CI/CD
- **Automation:** Ansible

INTERESTS

- **Core Interests:** Data Science, Cloud Computing, Full Stack Development

ACHIEVEMENTS

- NPTEL Certification in Data Base Management System.
- CISCO Certification in Data Analytics.

CONFERENCE AND RESEARCH

- Presented a research paper titled **"Fuzzy Approach to Patient Emergency Routing: Rescuing Patients from the Abyss of Uncertainty"** at the **International Conference on Intelligent Computing and Emerging Communication Technologies (ICEC 2024)** held on November 23, 2024.