

Penmatsa Vijay Kumar Varma

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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

Interactive Website Using React

[GitHub Link](#)

- Engineered an engaging React.js website featuring a visually striking animated video background of a moving car; enhanced user interaction by allowing selection from three distinct backgrounds, leading to increased session duration by over 25
- Enabled users to select from three distinct background images, enhancing engagement and customization.
- Created responsive and visually appealing interfaces, gaining hands-on experience in front-end development and animation integration.

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 Integration

[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.

Employee Management CRUD Application Using MERN Stack

[GitHub Link](#)

- Designed and implemented a robust CRUD application for managing employee data stored in MySQL, improving operational efficiency.
- Reduced query execution time to under three seconds, enhancing database interaction speed.

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, Django
- **Databases:** MongoDB, MySQL
- **Programming Languages:** Python, Java, C++

DEVOPS SKILLS

- **Scripting and Containerization:** Docker, AWS, Apache Spark, Ansible
- **Version Control and CI/CD:** Git, GitOps, Jenkins, CI/CD

INTERESTS

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

ACHIEVEMENTS

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