# Penmatsa Vijay Kumar Varma

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## WORK EXPERIENCE

**Data Analyst** APSSDC, Virtual Internship / Jun 2023 - Aug 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

**Employee Attendance Analysis Using Power BI**

Designed and developed an employee attendance analysis dashboard using Power BI, integrating large datasets from various sources to analyze attendance patterns and trends. Utilized data modeling and DAX formulas to calculate key KPIs and provided actionable insights.

**Interactive Website Using React** [GitHub Link]

Designed and developed an interactive React.js website featuring a dynamic animated video background of a moving car. Implemented functionality for users to select from three distinct background images, enhancing engagement. Created responsive and visually appealing interfaces, gaining hands-on experience in front-end development and animation integration.

**Notepad Application Using Java** [GitHub Link]

This project enabled users to create and read files within a notepad interface, mimicking the original Windows Notepad. It implemented core features like file handling, text editing, and a graphical user interface while leveraging Java's libraries and APIs for user input and file I/O operations.

**Social Media Post Deployer Application** [GitHub Link]

Developed a social media app where users can create posts and others can like them. Integrated Firebase Authentication for secure login and Firebase Realtime Database to store posts and likes. Deployed the app on Firebase, ensuring real-time updates and a seamless user experience.

**Deployment of Python Application on AWS with Docker Integration** [GitHub Link]

Deployed a Python-based application on an AWS EC2 instance using Docker for containerization. The process 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 and MySQL** [GitHub Link]

The application allows users to perform CRUD operations on employee data, which is stored in a MySQL database. Designed to enhance efficiency, the system ensures seamless interaction with the database and provides a user-friendly interface.

**Random-Quote-Generator** [GitHub Link]

I developed and deployed a random quote generator front-end application using a public quote API. Each time the user clicks the "New Quote" button, a new quote is generated. The app also integrates with Twitter's API, enabling users to tweet quotes directly. Additionally, the application is deployed in a Docker container for streamlined management and scalability.

## Education

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| 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 |

## Skills

**Programming:** HTML, CSS, JavaScript, React, Node.js, Mongodb, Mysql, Python, Java, C++
**Miscellaneous:** Power BI, Docker, AWS, Apache Spark, Matplotlib, CI/CD, Ansible, GitOps
**Interests:** Data Science, Cloud Computing, Full Stack Development