Thamatam Vamsi Krishna Reddy

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Summary

Detail-Oriented Computer Science student with a strong academic background. Passionate about leveraging technical expertise to develop innovative solutions. Eager to apply fresh knowledge and teamwork skills in a dynamic professional environment.

Internship

- **TAP Academy [🌐]** *May 2025 – oct 2025*
  Java Full Stack Developer Bengaluru, Karnataka
  - Gained hands-on experience in **Java, Spring Boot, MySQL, HTML, CSS, JavaScript,** and **React.js** through real-time project development
  - Developed and deployed full-stack web applications, integrating REST APIs with responsive front-end interfaces
  - Collaborated in an Agile environment using Git/GitHub, enhancing teamwork and version control practices
- **360DigitMG [🌐]** *Jan 2025 – Apr 2025*
  Java Full Stack Developer Hyderbad, Telengana
  - **Data Preprocessing**: Engineered a robust data pipeline using Python (Pandas) to clean historical aluminum market data, successfully resolving missing business day gaps and formatting inconsistencies for time-series analysis.
  - **Forecasting Modeling**: Built a predictive model for Aluminum Price Forecasting based on historical trends, transforming raw data into actionable insights to aid in future price prediction and strategic decision-making.

Education

Degree	Specialization	Institute	Year	CPI
B. Tech	*Computer Science & Engineering*	BITS, Adoni	2025	8.37
Intermediate	*Mathematics, Physics, & Chemistry*	Sri Venkateshwara Jr College	2021	6.7
SSC	General	St.Antony's E.M High School	2019	9.50

Projects

Aluminum Price Forecsting using UNI-Varient Time series Model [🌐]
Tools: Python, Statsmodel, XGBoost

- Developed a forecasting system using Python, XGBoost, and Statsmodel to predict global aluminum prices using over 10 years of historical and macroeconomic data
- Designed a multi-model approach combining statistical and machine learning models to handle non-linear market behavior and economic volatility
- Built explainable AI tools and dashboards to visualize predictions and support data-driven decision-making by procurement and policy teams
- Positioned the system as scalable and cloud-ready, adaptable for industries like automotive, aerospace, and construction

Technical Skills

- **Languages:** Python, Java, MySQL, HTML, CSS, JavaScript, Advance Java.
- **Tools:** Jupyter Notebook, VS Code, GitHub, MySQL Workbench
- **MOOCs:** Employability Skills, Soft Skills, Team Collaboration, Team Work, Problem-Sloving, Time Management

Publications

- **Aluminum Price Forecasting Using Uni-Varient Time Series model and CRISP-(Q) Methodologies** — Certifications *May 2025*

Achievements

- **Java WorkShop Attende** *Oct 2024*
- Gained hands-on experience in developing full-stack web applications using HTML, CSS, Javacript (front-end) and Java, JDBC, MySQL (back-end)
- Learned full-stack development workflow including CRUD operations, database integration, and deployment practices