SEGOJU PAVANPUTRA CHARY

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TECHNICAL SKILLS

Languages: Python, JavaScript, Java, C/C++, SQL, HTML5, CSS3
Frameworks: React.js, Node.js, Flask, FastAPI, Express.js, Django
Databases: PostgreSQL, MySQL, MongoDB, Redis, Firebase
Tools: Git, Docker, Linux, VS Code, Postman, Jupyter Notebook
Cloud / AI: AWS, GCP, Azure, Netlify, Vercel, TensorFlow, PyTorch, Scikit-learn, Pandas, OpenAI API, NLP

PROJECTS

Real-Time Sentiment Data Analysis   github.com/pavanputhra17/real_time_sentiment_data_analysis

- Architected a real-time sentiment pipeline ingesting live text streams from social media, applying NLP transformer models to classify sentiment and rendering live trends on an interactive web dashboard.
- Integrated pre-trained models with a FastAPI backend, achieving sub-second inference latency on high-throughput feeds with model accuracy consistently above 88%.
- Automated data preprocessing and feature extraction using Pandas and Scikit-learn, cutting manual effort by 70%; containerized the full stack with Docker for portable deployment.
- Persisted classified records in PostgreSQL with indexed queries, enabling historical trend analysis and real-time reporting across 100,000+ data points.

Stack: Python, FastAPI, NLP, Scikit-learn, Pandas, TensorFlow, PostgreSQL, Docker

EXPERIENCE

Data Analyst Intern   *January 2026 – February 2026*
Bharath Intern   *Remote*

- Executed exploratory data analysis (EDA) on large structured datasets using Python and Pandas, surfacing critical patterns, outliers, and anomalies to support business decision-making.
- Cleaned, transformed, and validated raw multi-source datasets, improving data consistency for downstream reporting pipelines by an estimated 60%.
- Developed interactive visual dashboards and structured summary reports to communicate analytical findings clearly to non-technical stakeholders, accelerating decision cycles.
- Applied statistical methods including correlation analysis and trend forecasting to derive measurable insights from operational data records.

EDUCATION

Bachelor of Technology – Computer Science and Engineering   *Expected May 2027*
CMR Institute of Technology, Hyderabad   *CGPA: 7.6 / 10*

Relevant Coursework: Data Structures & Algorithms, Database Management Systems, Operating Systems, Computer Networks, Machine Learning, Software Engineering, Object-Oriented Programming, Web Technologies

CERTIFICATIONS

Cisco Networking Academy Certificate   *Cisco, 2025*
Completed certified training in Networking Essentials and Cybersecurity Fundamentals, covering TCP/IP protocols, network security architecture, and threat mitigation strategies.

Data Analytics Internship Certificate   *Bharath Intern, 2026*
Awarded on successful completion of data analytics internship, demonstrating proficiency in EDA, data wrangling, statistical analysis, and business reporting using Python.

KEY STRENGTHS

Full-Stack Awareness: Hands-on exposure across frontend, backend, database, and cloud layers enabling end-to-end project ownership from design to deployment.

Data-Driven Mindset: Applies statistical analysis and ML techniques to extract insights from raw data and develop intelligent, scalable applications.

Rapid Adaptability: Consistently picks up new frameworks and tools to meet project demands; comfortable working independently and in collaborative team environments.