Pranavi Chinthireddy

pranavi@csu.fullerton.edu | (657) 631-8653 | https://www.linkedin.com/in/pranavichinthireddy | [GitHub](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Highly accomplished Data & AI Professional with 3+ years of expertise in data analysis, NLP, machine learning, and business intelligence. Proficient in Python, SQL, R, and Tableau, with expertise in predictive modeling, deep learning, and time series forecasting. Proven ability to optimize deploy ML models, and drive data-driven decision-making using cloud platforms.

SKILLS

Programming Languages: Python, R, Java, SQL, SparkSQL, VBA, JavaScript, HTML5, CSS3, JQuery
Database Management Systems: Microsoft SQL Server, MySQL, InfluxDB, PostgreSQL, MongoDB, Snowflake
Big Data & Cloud: Spark, AWS (EC2, S3, RDS, Lamda), Docker, Kubernetes, CI/CD (GitHub Actions), ELK stack
Data Analysis/Visualization: Power BI, Tableau, Microsoft Excel, Alteryx, Power Pivot, Grafana, Google Analytics
AI & Machine Learning: NLP, TensorFlow, PyTorch, Prompt Engineering, Logistic Regression, Random Forest, KNN
Certifications: AWS Cloud Practitioner, Google Data Analytics, Power BI Essential Training, Alteryx Designer Core

PROFESSIONAL EXPERIENCE

Accenture Solutions Private Limited | India   August 2021 - August 2023
Full Stack Engineering Analyst
- Developed and designed high-quality **data visualizations** (Radar, Gantt, Bubble charts) for a banking analytics tool, using **D3.js**, **HTML**, **CSS**, and **JavaScript**, increasing user engagement by **25%** and driving business insights.
- Automated **CI/CD** pipelines with **GitHub Actions** and engineered ETL workflows with **Python** and **SQL** for a banking client, refocusing build, test, deployment, cutting release time by **20%** and post-deployment issues by **25%**.
- Applied **natural language processing (NLP)** techniques to extract insights from unstructured data, enhancing predictive model performance by optimizing feature selection and tuning algorithms, reducing processing time by **30%**.
- Executed JMeter scripts for performance testing and tracked system metrics via **ELK** stack, **AWS CloudWatch**, **Grafana** and **Prometheus** for jewelry retail and banking clients, achieving **99%** uptime and uncovering bottlenecks.
- Assessed scalability and server load metrics using **ANOVA** and **A/B testing**, providing valuable insights that raised system stability by **15%** and reduced latency by **10%** through targeted improvements and performance tuning.
- Leveraged **AWS EC2**, **Docker**, and **Kubernetes** for application deployment, automation, and scaling, reducing deployment time by **30%** while maintaining operational agility and system robustness for banking and financial applications.

Bharat Sanchar Nigam Limited | India   August 2019 - August 2020
Research Intern
- Collected and analyzed large-scale network performance data using **Excel** and **SQL** for the telecommunications sector, identifying inefficiencies and resource constraints, accelerating throughput, efficiency, and reliability by **15%**.
- Streamlined and created interactive data visualization reports in **Python**, reducing manual analysis time by **30%** and enabling data-driven decision-making for optimizing telecommunications infrastructure and refined resource allocation.

PROJECTS

Diabetes Health Indicators Analytics   August 2024 - February 2025
- Transformed raw patient data using SQL for data wrangling, ensuring data integrity, and built predictive models with **logistic regression** and **decision trees**, and developed reliable treatment strategies, impacting 50+ patients.

In-Vehicle Coupon Recommendation System   August 2024 - December 2024
- Preprocessed data in R and SQL, boosting model performance by 25%, fine-tuned models (**Logistic Regression**, **KNN**, **CART**), elevating accuracy by **15%**, deployed on AWS EC2, and visualized insights with **Power BI**.

Business Intelligence on College Dropout Students   March 2024 - May 2024
- Analyzed dropout patterns through logistic regression on 1,000+ students, identifying retention factors; created **Tableau** dashboards and integrated **PowerPivot**, **ETL**, and **Time Series Analysis**, boosting retention by **10%**.

NBA Player Performance Analysis   January 2024 - May 2024
- Structured data from 1,500 NBA records using Python and **BeautifulSoup**, improving accuracy by **10%** with **Pandas**, **Random Forest** and statistical modeling, visualized insights with **Matplotlib** and **Seaborn**, driving decisions.

EDUCATION

California State University, Fullerton   Fullerton, CA
Master of Science in Information Systems (Business Analytics), GPA: 3.54/4.0   *August 2023 - May 2025*
Honors: Graduate Student Scholarship, ASI CSUF