PANDARI NAGA VEERA SAINATH CHUNDRU

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SUMMARY

Results-driven Data Enthusiast with expertise in big data analytics, data visualization, and cloud-based data processing. Proficient in Python, SQL, and PySpark, with a strong foundation in ETL development, data modeling, and statistical analysis. Skilled in leveraging AWS services like Redshift, S3, Databricks, and Lambda to build scalable data pipelines. Experienced in using Tableau and Power BI to create interactive dashboards and reports, enabling data-driven decision-making.

EDUCATION

MSc Computer Science with Industrial Placement, UEL (Distinction)   Jan'23 - Jan'25 • London, UK

- **Core Courses:**

  Advanced Software Engineering, Big Data Analytics, Cloud Computing and Artificial Intelligence & Machine Vision.

B.Tech Computer Science, Swarnandhra College (Distinction)   Jun'18 – May'22 • Narsapuram

PROJECTS |*Link*

**Classification of Brain Tumour of a Patient using Deep Learning |*Link*

- — **Developed** a deep learning model using **EfficientNetB0** with transfer learning, achieving over **95% accuracy** in classifying MRI brain images into tumor types.
- — **Comparing** performance across multiple models including a custom **CNN (~93%)** and **MLPClassifier (~85%),** selecting the best model for clinical generalization.

**Cloud-Based Movie Streaming Application |*Link*

- — **Designed and implemented** a scalable, secure, and cost-effective **movie streaming platform** utilizing Amazon Web Services.
- — **Developed cloud architecture** using **EC2** for computation, **S3** for storage, **RDS** for database management, and **CloudFront** for content delivery optimization.
- — **Implemented API Gateway** to securely manage and publish **API**s, enhancing connectivity between users and backend services.

**Big Data Analysis Project |*Link*

- — Processed **large-scale unstructured web log data** using **Apache Spark** and **Spark DataFrames.**
- — Converted **raw log files** into **structured formats** for **data analysis** and **reporting.**
- — Wrote and executed complex SQL queries using **Spark SQL** to extract meaningful **business insights**.
- — Created **data visualizations** using Python libraries such as **matplotlib** and **seaborn** to communicate trends.

INTERNSHIPS

**IT Support Intern, University of East London |*Link*   Jun'24 – Jan'25 • London, UK

- — Provided **technical support** by troubleshooting hardware/software issues, maintaining system performance, managing **CRM databases**, and enhancing **cybersecurity measures.**
- — Played a key role in implementing an efficient **ticketing system for IT requests**, including requirements gathering, system selection, configuration, data migration, training, and post-implementation support.
- — Gathered, cleaned, and analyzed data to identify **trends**, created **dashboards and reports**, and automated repetitive tasks, significantly improving **efficiency and accuracy.**

AWS Cloud Data Engineer Intern, Cognizant |*Link*   Mar'22 – Aug'22 • Hyderabad, India

- — Designed and deployed secure **AWS** infrastructure with **VPC**s, subnet configurations, route tables, and internet gateways to ensure secure and optimized network connectivity.
- — Configured secure **RDS** databases and managed **EC2 instances** in private networks, implementing Bastion hosts to control access and protect sensitive data.
- — Completed Learning certification in **Databricks**, gaining expertise in **big data processing**, **analytics workflows**, and **data pipeline creation.**

SKILLS

Python, SQL, and PySpark for applications in Machine Learning, Deep Learning, and Big Data Analytics. Expertise encompasses Scikit-learn, NumPy, Pandas, Matplotlib, Seaborn, TensorFlow, PyTorch, Power BI, Tableau, MS Excel, MySQL, Snowflake, Databricks, HTML5, CSS, ETL Development, Data Visualization, and Statistical Analysis.

CERTIFICATIONS

- — **AWS Cloud Practitioner**
- — **AWS Cloud Internship**
- — **Data Engineering with Databricks**
- — **AWS Machine Learning Foundations**