Budha Sree Mandapaka
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Data Journalist & Independent Researcher with 7 years of experience in Data Engineering and Business Intelligence, now building interactive stories on education, governance, and social development in India. Skilled in SQL, Tableau, Power BI, Python, D3.js with decent knowledge on public datasets and a strong focus on visual storytelling.

PROFESSIONAL EXPERIENCE

Data Storyteller & Researcher   Bengaluru | Nov 2024 - Present

– Built **Language Patterns across India**, a D3.js based data story extending The Hindu's original visual by covering all 36 States/UTs with an interactive India Map which works across devices.
– Designed and developed a **Self-Directed Learning Assessment Tool** using HTML/CSS and JavaScript, aimed at measuring learner autonomy in non-traditional educational environments.
– Published a **Tableau** data story visualizing **ASER** (2018–2024) reading assessment to highlight India's silent learning crisis, the impact of COVID and foundational literacy gaps.
– Undertook research on how **SDG** indicators project different results across district and PC boundaries in India using Lancet & Harvard studies and published it as **One Nation, Two Maps.**
– Collaborated with Project DEFY to develop a research proposal on **self-designed learning**, building a modular self-assessment tool to track learner autonomy and support needs in alternative education models.
– Analyzed **UDISE+** school infrastructure data to identify functional gaps in drinking water and toilet facilities across India and quantified uncertainty using simulation-based techniques on **Python**.
– Developed a Python script using **BeautifulSoup** and **Google Search indexing** to ethically extract public LinkedIn post summaries, enabling thematic and sentiment analysis of professional discourse.
– Built a local **SQL Express database** that integrates socio-economic datasets on education (UDISE+ and ASER), labour (LFPR), crime(NCRB), and linguistic census in India.
– Integration with **Power BI** for public interest data storytelling, thorough validation by cross-referencing with The Hindu reports.
– Participated in a **Data Analytics & AI workshop** at IISc Bengaluru; upskilled in AWS and ethical web scraping techniques.

Health & Wellbeing Break   Bengaluru | Mar 2022 - Oct 2024

– Focused on mental health recovery and personal reinvention.
– Realigned career goals toward purpose-driven, public interest storytelling.

Civil Services Aspirant   Hyderabad | Aug 2019 - Feb 2022

– Quit IT to pursue Indian Civil Services (UPSC) with focus on Public Policy, Ethics and Governance.
– Developed analytical and interdisciplinary perspectives across history, economy, law and society.

Infosys Limited

Technology Analyst/Lead   Hyderabad | Jan 2019 - Oct 2019

– **Insta Award 2019** for initiatives to design & publish newsletters, creating user guides & leading projects.
– Provided **leadership** to a team of 5 members and trained them on Oracle SQL & Azure.
– Reduced on-boarding time from 1 month to 3 days via custom technical guides.

Business Developer/Data Analyst   Sydney, Australia | Jul 2017 - Dec 2018

– **Infosys Recognition Award 2018** by **AMP** for designing & building a new Insurance Data Store and for signing off reports to APRA - Australia.
– Built **MS Access** dashboards for a single point view of Insurance Claims and a user interface for Business to be able to seamlessly modify erroneous data.

– Utilized **SSIS with embedded C#** to automate ETL for highly unstructured Claims data, ensuring data quality and integrity.

Developer Programmer/Data Analyst   **Sydney, Australia | Mar 2015 - Jun 2017**

– **Infosys Recognition Award 2017** by **AMP** for single-handedly developing Value of Lost Business metric and ensured quality by reducing discrepancies from 12% to 0.01% between Actuaries & Finance.
– **PLAY Winner** for developing a completely new data model with highly scalable rule engine for Register Valuation of commissions for easier analysis & analytics using MyBI reporting.
– Identified fraudulent fee payments to advisors, which was **highly recognised by CEO**.

Senior Systems Engineer   **Hyderabad | Oct 2012 - Feb 2015**

– **GEM Award 2014** for delivering a complex project with intense business analysis, which minimized the projection of business loss by 30% and in addition, minimized rework by 40%.
– **Power Programmer Award 2014** for my excellent programming skills as a Junior developer.

CERTIFICATIONS

– Data Analytics using AI (2025)
– AWS Certified Solutions Architect Associate (2024)
– Microsoft Certified Power BI Data Analyst (2024)
– Oracle Database SQL Certified Associate (2022)
– Oracle Cloud Infrastructure Foundations Certified Associate (2021)
– Microsoft Azure Fundamentals (2019)
– Infosys Certified SQL Professional and Agile Developer (2019)

TECHNICAL SKILLS

– **Programming Languages:** SQL, PL/SQL, Python, Java, C#, HTML/CSS, JavaScript(D3.js)
– **Scripting:** Bash, PowerShell
– **Visualization & Reporting:** Power BI, Tableau, MS Excel, MS Access, SAP BO
– **Cloud Technology:** AWS & Azure
– **Developer Tools:** Oracle SQL Developer, MS SQL Server, SSIS, Oracle APEX, Github
– **Project Management:** JIRA, Confluence

INDUSTRY & DOMAIN EXPERTISE

– Public Policy & Governance, Socio-Economic Development, Ethics & Integrity
– Business Intelligence, ETL, Data Warehousing, Data Visualisation, Data Quality & Governance
– Data Migration, Profiling, Cleansing, and Quality Assurance
– Functional expertise in Insurance, Reinsurance, FATCA, GDPR, NPS

EDUCATION

G. Narayanamma Institute of Technology & Science, JNTUH   Telangana, India
B.Tech., Electronics and Communication Engineering   2008 – 2012

REFERENCES

Available upon request.