DIPARNA ADHIKARY

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SUMMARY

Data science student with advanced analytics expertise and strong programming skills in Python, R, and SQL. Developed automated data integration tools and interactive dashboards at Deloitte and Michigan State University. Experienced in translating complex data into strategic insights to drive decision-making. Eager to leverage analytical, project management, and client-facing skills to deliver scalable, data-driven solutions.

EDUCATION

Michigan State University   **Aug 2024 - May 2026**
Masters, Data Science   *East Lansing*
- **GPA:** 3.9
- **Coursework:** Statistical Computation, Machine Learning, Computational Optimization, Natural Language Processing, Data Mining, Deep Learning, Bayesian Analysis, Data Visualization

SRM University, Chennai   **Aug 2016 - May 2020**
Bachelor of Technology, Computer Science and Engineering   *Chennai*
- **GPA:** 7.92
- **Coursework:** Advanced Calculus and Complex analysis, Probability and Queuing Theory, Database and Management Systems, Artificial Intelligence, Data warehousing and Data Mining

WORK EXPERIENCE

Office for Institutional Diversity and Inclusion (IDI), Michigan State University   **Oct 2024 - Present**
Graduate Assistant (Workforce Analytics)   *East Lansing*
- Validated and organized workforce data by applying statistical analyses and elements of predictive modeling to generate comprehensive reports for applicant flow and federal hiring compliance assessments.
- Automated data integration by developing tools with R, Python, and SQL, connecting diverse HR datasets to streamline analysis and reporting processes.
- Designed and implemented data visualizations using modern analytics tools to support leadership discussions on federal compliance and guide strategic decisions.
- Analyzed trends in federal auditing practices and litigation, offering data-driven recommendations to optimize recruitment, retention, and overall workforce satisfaction.

Deloitte (US Offices of India)   **Nov 2021 - Jul 2024**
Consultant   *Hyderabad*
- Developed over 50 interactive reports and dashboards using Tableau and Power BI to empower data-driven initiatives and enhance the analytics culture for more than 200 team members.
- Facilitated client meetings to extract business requirements and translate strategic needs into actionable dashboard designs, ensuring alignment with performance benchmarks.
- Streamlined business workflows by automating key processes with Power Automate, boosting operational efficiency by 20% while ensuring data accuracy.
- Engineered business applications with Power Apps following Agile methodologies, incorporating stakeholder feedback to drive iterative improvements.

Cognizant   **Jul 2020 - Oct 2021**
Programmer Analyst   *Pune*
- Addressed complex Power BI queries and access issues for sales and operations teams, ensuring seamless data access and reducing query resolution time by 25%.
- Orchestrated daily dataset refreshes and maintained detailed documentation for report changes in the Power BI Service, reinforcing consistency, accuracy, and compliance.

TECHNICAL SKILLS

- **Business Intelligence**: Power BI, Tableau, Looker, Streamlit
- **Programming & Data Analysis**: Python, R, MySQL, Java
- **Cloud & Data Platforms**: Google Cloud, Snowflake
- **Automation & Version Control**: Power Automate, Power App, GitHub
- **Machine Learning & Analytics**: Machine Learning, Scikit-learn, PyTorch, Time Series Forecasting, TensorFlow, Predictive Modeling, Reinforcement Learning