Bhavin Patel

3400 Stratford Rd NE, Apt 5107, Atlanta, GA, 30326
LinkedIn: www.linkedin.com/in/bhavinpatel0708/

Email: bhavinpatel0708@outlook.com
Mobile: (470) 301-8974

SUMMARY AND OVERVIEW

- **Experience**: Self directed and driven Information Technology professional with comprehensive accomplishments leading enterprise data architecture, dashboards, financial metrics and migration to achieve goals. Recognized for executing high impactful projects in complex, regulated, and fast-paced environments.

- **Key-Responsibilities**: Involved in all phases of project life-cycle including business requirements definition, technical architecture specification, prototyping/wire-framing, ETL design and development, Data-Warehouse management, BI application design, functional testing and user-acceptance testing.

- **Reporting and Analytics**: Experience developing and optimizing seamless data pipelines, creating real time dashboards and reports, delivering granular level product usage metrics, collaborating with business managers from cross functional teams and creating data stories for non-technical users.

- **Proficiency/Expertise**: Data Management, Business Intelligence, Tableau, R, SQL, Data Engineering, Warehouse, Modelling, Visualization, Python, Cloud Computing, Azure, Data Architecture, Oracle, Teradata, BigQuery, Machine Learning, Data Lake, Hadoop, Hive, Pig, NoSQL

EDUCATION AND HONORS

- **Georgia State University, J. Mack Robinson College of Business** — Atlanta, GA
  Master of Science in Information Systems (Big Data Analytics); GPA: 4.23/4.3 — *August 2021 - August 2022*
    - **Honors**: Recipient of Merit-based Scholarship along with Tuition Fee Waiver (2021/22), President's List (Fall 2021)
    - **Coursework**: Data Programming for Analytics, Unstructured Data Management, Database Management Systems
- **Jawaharlal Nehru Technological University** — Hyderabad, India
  Bachelor of Technology in Information Technology; GPA: 3.42/4.0 — *August 2013 - August 2017*
    - **Awards**: Microsoft Student Ambassadors, LeadLab Leadership Forum and Young Leaders League (20 Under 30)
    - **Coursework**: Data Warehousing and Data Mining, Shell Programming and Scripting Languages, Cloud Computing

CORE COMPETENCIES

- **Platforms/Environments**: Linux, Microsoft 365, Jupyter Notebooks, Databricks, RStudio, LaTeX, Confluence
- **Programming Languages**: HTML5/CSS3, JS, DAX, M, SQL/PLSQL, Python (Numpy/Pandas/ScikitLearn)
- **Databases/Warehouses**: Microsoft SQL Server, PostgreSQL, Google BigQuery, Oracle, Teradata, MongoDB
- **Visualization Tools**: Advanced Excel, Power BI, Qlikview, Tableau, SQL Server Reporting Services
- **Big Data Technologies**: Hadoop, Spark, Hive, Pig, Impala, Google Cloud (GCP), Microsoft Azure
- **Machine Learning**: Regression, Clustering, Classification, Dimensionality Reduction
- **Statistical Techniques**: Forecasting, Optimization, Hypothesis Testing (A/B), Time Series Analysis
- **Business Skills**: A/B Testing, Product Research, Customer Acquisition, Project Management

PROFESSIONAL EXPERIENCE

- **Deloitte Consulting, Strategy and Analytics** — Hyderabad, India
  Business Intelligence Analyst (Full-time) — *March 2021 - August 2021*
    - **Digital Transformation**: Collaborated in an enterprise-wide digital initiative to improve healthcare innovation by leading agile transformation. Provided actionable insights to drive improvements and communicated transparently to meet up-to 98% deadlines. Assisted the team in identification of key business requirements including metrics and KPIs.
    - **Wire-framing and Dashboard Design**: Spearheaded the design, development and administration of 15+ Power BI reports and dashboards supporting 5M customers in different locations. Enhanced reporting by developing a data model and strategy using EMR, Hyperion, Peoplesoft, SuccessFactors and bench-marked inputs. Determined feasibility of accommodating user requests including multilingual reports, dynamic currency filtering and data regionalization.
    - **Functional Data Wrangling**: Handled a data warehouse of 20+ TBs size, automated 70% manual reporting activities, decreased the number of major incidents and saved the organization an estimated $90K in such administrative efforts. Reduced execution time from 3Hrs to under 45Min. Established standards for E2E project delivery, implementation.
    - **Platform Testing**: Led a team of 5 off-shore analysts to manage enterprise applications and resolve bottlenecks. Presented recommendations including cost-savings measures and efficiency opportunities to senior management.
- **Accenture, Digital** — Hyderabad, India
  Business Intelligence Analyst (Full-time) — *November 2017 - September 2020*
    - **Requirement Gathering**: Worked closely with major stakeholders to structure problems, identify appropriate data sources and develop integrated solutions. Created rules for complex business processes; architected solutions based on data availability. Conducted 80+ business problem analysis to mitigate financial risk, part of compliance strategy.
    - **Ad-Hoc Analysis**: Extracted and analyzed multi dimensional data for Fortune 500 FMCG Client. Devised models for markdown optimization, product placement and other retail problems that led to a revenue gain of $33,000 SKUs/year.
    - **Data Visualization**: Developed and maintained framework for reporting including creation of analytical approaches for domain specific analysis. Designed and published an in-house Tableau-based tool saving approx 40 hours data analysis per week through plug and play option. Pitched the idea to senior management and helped acquire 5+ new clients.
    - **Performance Testing**: Captured the results of test scripts and scenarios through various technical specification and performance related documents, improved overall efficiency by nearly 60%. Ensured timely resolution of critical issues; facilitated planning and coordination of data governance activities and served as point-of-contact for immediate queries.
    - **Team Management**: Performed code review through implementation, quality assurance and daily scrums with cross-functional teams. Formulated and led trainings for new hires by conducting various knowledge sharing sessions.

Academic Projects

- **Customer Churn Prediction (Machine Learning, Predictive Analysis)**: Utilized predictive modeling to return probability of churn for each customer. Made use of ensemble techniques to model predictions, improve interpretability through multiple visualizations. Tech-Stack: Logistic Regression, SVM, Decision Trees (August 2021)

- **Retail Price Optimization (Big Data Analytics, Time Series)**: Enabled exploratory analysis to answer questions like price optimization and inventory allocation. Built a time-series forecasting model using ARIMA techniques to predict the quantities and sales across products. Tech-Stack: Sqoop, Hive, Spark, Impala (September 2021)

- **Fake News Detection (Data Science, Text Mining)**: Identified differences between fake and real news items using scikit-learn algorithms like TfIdfVectorizer. Scored the model using different evaluation techniques like accuracy, f1-score and confusion matrix. Tech-Stack: Numpy, Pandas, Matplotlib, Seaborn, Scikit-Learn (October 2021)

- **Product Recommendations (NLP, Feature Engineering)**: Ranked product reviews based on their relevance, comments. Used collaborative filtering techniques like matrix factorization on purchase history and ratings to make recommendations. Tech-Stack: Gensim, NLTK (November 2021)

Technical Certifications

- **Microsoft Certified: Security, Compliance and Identity Fundamentals**   I138-6720
  Exam-Number: SC-900   *February 2022 - Present*

- **Microsoft Certified: Power Platform Fundamentals**   I143-4515
  Exam-Number: PL-900   *February 2022 - Present*

- **Microsoft Certified: Azure Fundamentals**   I133-6831
  Exam-Number: AZ-900   *February 2022 - Present*

- **Microsoft Certified: Azure AI Fundamentals**   I131-1927
  Exam-Number: AI-900   *February 2022 - Present*

- **Microsoft Certified: Azure Data Fundamentals**   I084-6214
  Exam-Number: DP-900   *December 2021 - Present*

Leadership/Miscellaneous

- Panthers in Analytics, Graduate Business Association

- Graduate Research Assistant under Dr Kurt Schmitz

- Native English Speaker; Conversational in Hindi and Gujarati

- Proficient with Bloomberg Terminal; Microsoft Office: Excel, Access, Project, PowerPoint

- **Hackathons**: Microsoft Openness Days (Open Source Azure Hackathon - Microsoft + T-Hub)

- **Workshops**: Design Thinking, Scrum Master, SAP Cloud Platform, Docker, AWS, Salesforce

- **Interests**: Cryptic Crosswords, Hackathons, Storytelling, Debates, TED Talks, MUN Conferences