Bhavya Likhitha Bukka

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Portfolio

EDUCATION

Northeastern University, Boston, MA   Expected Dec 2026
Master of Science in Information Systems

Lovely Professional University, India
Bachelors in Computer Science and Engineering
                                                                                 June 2024

TECHNICAL SKILLS

Programming Languages: Python, R, SQL, JavaScript, Java

Front-End Development: React, TypeScript, CSS, HTML
Back-End Development: Node.js, Express.js, MongoDB, RESTful API Development
Data Visualization Tools: Power BI, Tableau
Data Management: Data Pipelines, Data Cleaning, Data Transformation, Apache Hadoop, Spark
Specialized Skills: Building Interactive Dashboards, API Integration, PWA Development

WORK EXPERIENCE

Salesforce Administrator Intern   Nov 2023 – Jan 2024
Smart Internz, India

- Configured organizational settings in Sales and Service Cloud, automating **10+ workflows** using Flow and Process Builder, improving operational efficiency by **20%** and enabling **data-driven decision-making**
- Designed and delivered **25+ interactive dashboards and reports** to visualize key metrics, boosting data accessibility and team productivity by **30%** through actionable insights

Software Engineer Intern   May 2023 – Aug 2023
I Ray IT Solutions, India

- Led **30+ scrum meetings** following Agile methodologies using Jira as the project management tool, defining sprint timelines, resolving roadblocks, and ensuring collaboration across 3+ cross-functional teams, reducing project delivery time by 15%
- Designed and deployed an **AWS-powered data pipeline**, integrating automation with **Python** and **SQL**, improving data processing speed by **20%** and ensuring data integrity for backend processes
- Conducted **unit testing** with strong attention to detail, identifying and resolving **30+ software bugs** to ensure 100% functionality Designed **20+ interactive dashboards** using Power BI to analyze **500,000+** records, enabling **real-time reporting** solutions, improving client reporting efficiency by 30%, and supporting business decision-making by presenting key insights to clients and stakeholders.

Data Scientist Intern   Aug 2021 – Dec 2021
DevTown, India

- Designed **10+ Tableau dashboards** to visualize key metrics and trends from **100,000+ data points**, improving decision- making efficiency by 25% across multiple business units
- Conducted analysis on **500,000+ rows** of data using SQL and Python, uncovering 10+ actionable insights that contributed to strategic engineering decisions and operational improvements
- Collaborated with 5+ cross-functional teams to deliver scalable systems for workload and scheduling, identifying and addressing data requirements that generated 7 new insights and improving process efficiency by 20%.

ACADEMIC PROJECTS

Amazon Sales Intelligence: Data-Driven Business Optimization | Live | Github   Nov 2024 – Jan 2025

- Conducted exploratory data analysis on **50,000+ rows** across 10 interconnected tables, solving 50+ complex business problems using advanced SQL concepts enhancing data reliability and business insights by 25%.
- Developed a **6-page dynamic dashboard using Power BI** integrating advanced SQL queries, driving a **45% reduction** in reporting time for key metrics like revenue forecasting, sales trends, and logistics insights
- Automated pricing strategies for 1,000+ products, resulting in a **12% improvement in profit margins** for high-demand items and enhanced inventory turnover rates

Uber Rides Analytics: Enhancing Ride-Booking Efficiency | **Live** | **Github**   Nov 2024 – Dec 2024

- Processed and analyzed 100,000+ rows of ride data **using Python and PostgreSQL database** for data manipulation, SQL for identifying key insights like peak demand areas and revenue trends to solve 20+ business problems
- Built a **5-page interactive** dashboard using **Power BI** that **visualized ride trends**, cancellations, and revenue, improving data accessibility and decision-making efficiency by 30%
- Implemented innovative solutions for operational challenges, including automated processes for delayed ride compensation and proactive driver notifications for long-distance trips, leading to a 25% improvement in customer satisfaction and a 15% reduction in ride cancellations, enhancing overall operational efficiency

EQUIEX: Crypto Exchange Prototype| Live | Github   Sep 2024 – Dec 2024

- Engineered a **robust and scalable backend** using Node.js, Express.js, and MongoDB, efficiently handling real-time data for 10,000+ market assets and user accounts while ensuring system reliability and security
- Developed a dynamic, **responsive frontend** with React, TypeScript, and CSS, implementing 12+ interactive features like market trend tracking, NFT galleries, and portfolio visualization, driving a 30% increase in user engagement during testing
- Optimized API performance which reduced response times by 25%, ensuring synchronization between the front-end and backend
- Implemented **CRUD operations** for 5+ modules, incorporating **features** such as the **File Share API** and other Fugu capabilities, enhancing user functionality and operational efficiency.