

Bhavya Likhitha Bukka

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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

Data Visualization Tools: Excel, Power BI, Tableau

Data Management Tools & Techniques: Data Cleaning, Data Transformation, Statistical Data Analysis

Data Science Toolkits: Pandas, NumPy, Sci-Kit Learn, Matplotlib, Tensorflow, Keras, AI

Techniques: Data pipeline, Statistical Data Analysis, NLP, Predictive Modelling, Machine Learning

Specialized Skills: Building Interactive Dashboards, Business Intelligence Tools, AWS Cloud

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

IRay 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 analytics pipeline**, integrating automation with **Python, SQL and Git** for version controller code which improved data processing speed by **20%** and ensured 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**, improving client reporting efficiency by **30%** and support business decision-making by presenting key insights to clients and stakeholders

Data Scientist Intern

Aug 2021 – Dec 2021

DevTown, India

- Implemented AI-powered assistants using **Python, TensorFlow, and PyTorch**, incorporating **LSTM and RNN** improving chatbot accuracy by **13%** and reducing response latency by **15%** through advanced **NLP techniques**
- Collaborated with **5+ cross-functional teams** to collect and analyze **1M+ data points** using **R, SQL, and NumPy**, generating **5 actionable business insights** that supported targeted marketing strategies and operational improvements
- Designed **10+ Power BI dashboards** to visualize key trends from 100,000+ data points, improving decision-making efficiency by 25% and enabling **self-service automation** for stakeholders to access real-time insights
- Applied machine learning algorithms including **customer segmentation** to optimize operational strategies, resulting in a **15% improvement** in targeted engagement efforts

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, **including data extraction from multiple sources**, solving 50+ complex business problems using SQL concepts enhancing 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

Stock Price Prediction Using LSTM | [Github](#)

Sept 2023 – Oct 2023

- Implemented a stock price prediction machine learning model using LSTM networks, achieving an **accuracy of 85%** in predicting stock price trends, applying machine learning techniques for **time-series forecasting**
- Pre-processed **100,000+ rows** of historical stock data from Yahoo Finance using **R, Scikit-Learn and SQL**, ensuring data integrity and model robustness
- Reduced prediction error by 10% through hyperparameter tuning and model optimization, leveraging statistical analysis for performance

Towards Secure and Intelligent Healthcare: Integrating Blockchain and Machine Learning | [Github](#)

Jan 2024 – Jun 2024

- Designed and deployed a **blockchain-based** healthcare data storage system, enhancing data security by **25%** and reducing breach risks by **30%** through decentralized management of **10,000+ records**
- Integrated **3 machine learning models** (Naive Bayes, KNN, Decision Tree, Linear Regression) to provide personalized treatment recommendations, achieving a **50% improvement** in patient care prediction accuracy and reducing misdiagnosis rates by **20%** through rigorous statistical model evaluation
- Utilized **Python and SQL** to manipulate and analyze data, improving data-driven decision-making efficiency by **35%**