Bhavya Likhitha Bukka

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https://www.linkedin.com/in/bhavya-likhitha/ | Github |
Portfolio

EDUCATION

Northeastern University, Boston, MA Expected Dec 2026
Master of Science in Information Systems
Lovely Professional University, India
Bachelor in Computer Science and Engineering June 2024

TECHNICAL SKILLS

Programming Languages: Python, R, SQL, Spark

Libraries & Frameworks: TensorFlow, PyTorch, Scikit-learn, NumPy, Matplotlib

Tools & Platforms: Tableau, Power BI, MLflow, DVC, Docker, AWS, Apache Hadoop

Techniques: Data pipeline, Statistical Data Analysis, Artificial Intelligence (AI), Machine Learning (ML), Deep Learning, NLP, Predictive Modeling, Data Preparation, Data Mining

WORK EXPERIENCE

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

- Configured organizational settings in Sales and Service Cloud and automated over 10+ workflows using Flow and Process Builder to enhance data-driven decision-making and operational efficiency
- Designed and delivered 25+ interactive dashboards and reports to visualize key metrics, boosting data accessibility and
- team productivity by 30% through actionable insights
- Earned 4 Admin Super badges, including Security Specialist and Business Administration Specialist

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

- **Led 30+ scrum meetings** using Agile methodologies to define sprint timelines, resolve roadblocks, and ensure seamless collaboration across **3+ cross-functional teams**, reducing project delivery time by **15%** and enhancing workflow efficiency
- Designed and implemented an AWS-powered data analytics pipeline, leveraging Python and SQL for data engineering processing 1000+ records daily, improving **business intelligence workflows by 20%**
- 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%

Data Scientist Intern Aug 2021 – Dec 2021
DevTown, India

- Engineered chatbot models using Python, TensorFlow, and PyTorch, incorporating LSTM and RNN architectures, achieving a 13% increase in chatbot accuracy and a 15% reduction in response latency, showcasing expertise in applying advanced NLP techniques to enhance user interaction
- Collaborated with 5+ cross-functional teams to analyze data using R, SQL, and NumPy, delivering 5 actionable insights that improved targeted marketing strategies and operational efficiency
- Designed and deployed 15+ Power BI dashboards, analyzing 30+ datasets to identify patterns and trends, enhancing decision-making efficiency by 20%, highlighting capabilities in creating business intelligence tools
- Analyzed 1M+ data points using R, SQL, and NumPy, applying machine learning algorithms for customer segmentation, resulting in a 25% increase in targeted marketing efficiency

ACADEMIC PROJECTS

Chest Cancer Classification and Automation Using ML/DL Dec 2024 – Jan 2025

- Developed and deployed a machine learning pipeline using TensorFlow, Keras, and Python, achieving 84% accuracy while leveraging DVC to streamline data preparation for 10,000+ images, ensuring scalable and efficient workflows
- Implemented experiment tracking with MLflow, monitoring 20+ model iterations, and automated training workflows, reducing manual intervention by 40% and enhancing overall efficiency
- Applied advanced data mining and statistical analyses, refining 3+ base models with deep learning techniques, resulting in a 20% improvement in classification performance

Stock Price Prediction Using LSTM | Github Sept 2023 – Oct 2023

- Designed and implemented a stock price prediction model using LSTM networks, achieving an accuracy of 85% in predicting stock price trends, applying innovative machine learning techniques for time-series forecasting
- Pre-processed **100,000+ rows of stock market data** using **Scikit-Learn and SQL**, ensuring data integrity and optimizing the input pipeline for robust model performance
- Reduced prediction error by 10% through hyperparameter tuning and model optimization, leveraging statistical analysis for performance

Jarvis AI Chatbot Development Github Nov 2022 – Jan 2023

- Collected and prepared a dataset of over 10,000 conversational inputs, increasing chatbot training efficiency by 25%
- Curated and pre-processed data, improving AI model training speed by 20% and response accuracy by 15%
- Developed and optimized encoder and decoder modules with a team using RNNs and LSTM models, enhancing the chatbot's conversational quality by 30% leveraging machine learning techniques

ACADEMIC PUBLICATIONS AND CONFERENCES

- **Unveiling Ethereum's Future: LSTM-Based Price Prediction and a Systematic Blockchain Analysis** *DOI*