PRIYANKA LAKUR KRISHNAMURTHY

linkedin.com/in/priyanka-lakur/ | +1(737) 881-0954 | priyankalakur@gmail.com | Texas

EDUCATION

M.S. Computer Science — **Expected May 2024**
The University of Texas at Arlington — **CGPA 3.83**

Bachelor of Engineering in Computer Science — **2018-2022**
BNM Institute of Technology, Bangalore, India — **CGPA: 3.58**

RELATED COURSEWORK

Programming in Java, C/C++, Python, Machine Learning, Artificial Intelligence, Natural Language Processing, Data Structures and Algorithms, Operating Systems, Advanced Software Engineering, Unix Programming, Operating Systems, Linux, Networks, Data Analysis and Modelling Techniques, Software Testing.

TECHNICAL SKILLS

Languages	Python, Java, C/C++.
Databases	SQL(Relational Database).
Web Development	HTML5, CSS, PHP.
Data Science	Data Analysis, Visualization, and Modeling using NumPy, Matplotlib, Seaborn, Sckit-Learn.
Tools	Eclipse, Microsoft Visual Studio, VS Code, Android Studio, Jupyter, Xcode, Figma.

WORK EXPERIENCE

Software Developer Intern, Aspen Technology, Houston, United States

- Led the comprehensive end-to-end development of a dynamic Proof of Concept (POC) initiative, skillfully integrating cutting-edge machine learning and AI technologies to the AspenTech product.
- Collaborated seamlessly with cross-functional teams to pinpoint innovative prospects within the existing product framework, establishing a bedrock for substantial amplification of business value.
- Formulated and honed machine learning algorithms and Artificial Intelligence within the product leading to increased efficiency with 10% reduction in losses, cost optimization and refined the decision-making process.
- Executed the creation of an intuitive user interface through PyQt5, adeptly bridging the divide between intricate technical facets and user-friendly accessibility.
- Earned recognition for the prototype's prowess in elevating business value through the strategic infusion of emergent technologies.
- Technology Used: Python, PyQt5, Microsoft Visual Studio, Jupyter.

Data Science Intern, Sparks Foundation, Bangalore, India

- Gained experience in building and tuning machine learning models. Expertise in data collection, analysis, and visualization through coding in Python.
- Technology Used: Jupyter, Python.

PROJECTS

Recommendation System Using Deep Learning

- Developed a novel recommendation system utilizing Deep Learning models, including Deep Neural Networks, Restricted Boltzmann Machines, and Auto Encoders. Demonstrated that the Deep Neural Network model outperforms many baseline models through extensive trials and analysis.
- Technology Used: Jupyter, Python, Keras, TensorFlow.

Blockchain-Based Trust Mechanism for IoT-Based Smart Manufacturing System, Techical Seminar

- The mission of this research was to reduce “trust tax” imposed on manufacturers during their countless collaborations with customers, suppliers, distributors, governments, service providers, and other manufacturers in smart manufacturing by using blockchain.

Restaurant Database Management System

- Built a database to computerize information regarding the customers and orders. Created A Database Management System to enable Restaurant to effectively store and retrieve data and generate reports on customers, food items, staff and billing details.
- Technology Used: SQL, PHP, XAMPP, HTML, CSS, JavaScript.

Used Car Prices Prediction

- Used machine learning algorithms for performing data pre-processing operations and predicted the prices of used cars which was achieved using a dataset available in Kaggle.
- Technology Used: Python, NumPy, Pandas, Seaborn.

CERTIFICATION

- AWS Technical Essentials and Architecting Course. Certificate ID: TSOZGMAT [Validate at https://ethnus.com/certverify]

PUBLICATION

- “Recommendation System Using Deep Learning”, IEEE 7th International Conference on Recent Advances and Innovations in Engineering (ICRAIE), Volume: 07