Bhadra K. Shah

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OBJECTIVE

Graduate Student seeking for Data Scientist/Software Developer job opportunities.

EDUCATION

University at Buffalo (SUNY Buffalo), Buffalo, New York. **Aug 2021—Jan 2023**

- Master's in Data Science and Applications. **GPA 3.88/4**
  Relevant Courses: Statistical Data Mining, Machine learning, Numerical Analysis, Database Management Systems, Probability Theory, Programming in Database Fundamentals for Data Scientist.

K.L.E Technological University, Hubballi, India **Aug 2015 – June 2019**

- Bachelor of Engineering in Computer Science and Engineering **GPA 8.38/10**
- Relevant Courses: Applied Statistics, Object Oriented Programming, Data Structures, Data Mining and Analysis, and Machine Learning.

TECHNICAL SKILLS

- Programming Proficiency: Python, Java, C, R programming.
- Web Technologies: HTML, JavaScript, CSS, Angular, NodeJS, REST APIs.
- Database: MySQL, PostgreSQL, MongoDB.
- Tools and Technologies: TensorFlow, Keras, Pandas, Scikit-learn, Jupyter Notebook, R-studio, Natural Language processing (NLP), Deep Learning, Collaborative Filtering, Tableau, SQL, Hypothesis Testing, Excel, Git, Postman.

PROFESSIONAL EXPERIENCE

Software Developer, Nimap Infotech **Sep 2019 – March 2021**

- Designed and Developed BackEnd web services for Field Force Connect CRM application.
- Developed the feature to view and download employee activity report.
- Collaborated with other team members on design solution and code reviews

Software Developer, Genesys International Corporation Ltd **Jan 2019 – May 2019**

- Designed and developed web services for Dubai Land Department Project (DLD).
- BackEnd (RESTful services) development using Java Spring MVC which helped in managing land details.
- Developed critical database queries in PostgreSQL to add complex features in web services.
- Hands on experience with agile team working in a continuous delivery model.

ACADEMIC PROJECTS

- **Smart Parking Reservation System [PHP, Python]** **Jan 2018**
  i) Developed a PHP based web application to help reserve vacant parking spots.
  ii) Used object detection approach (Haar Cascade algorithm) to identify vacant parking spots
- **Tesla Stock Time Series Analysis [NumPy, Sklearn, TensorFlow].** **Aug 2021**
  i) Performed Data Visualization and Analysis to understand trends of Tesla (TSLA) stock data.
  ii) Employed Recurrent Neural Network and Long Short-Term Memory for forecasting.
- **Fashion MNIST Classification [Keras, Matplotlib, NumPy]** **Jan 2022**
  i) Analyzed and preprocessed the data.
  ii) Applied Convolutional Neural Network (CNN) model and different techniques to optimize the model for classification.
- **Agent Grid Reinforcement Learning [Python]** **Jan 2022**
  i) Created a grid environment with a single agent containing different positive and negative rewards.
  ii) Utilized the reinforcement learning algorithm, epsilon-greedy, Q learning, SARSA, Double Q learning and compared the results.
- **H&M Fashion Recommendation system [Python]** **May 2022**
  i) Created a recommendation system to give user's recommendations using the H&M dataset.
  ii) Utilized CNN Model (ResNet) to extract features from images and used K- means Clustering to cluster the data
  iii) Performed ALS Matrix Factorization method to give recommendations based on user similarity.