Kintur Shah
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WORK EXPERIENCE

CSRBOX Foundation | Data Analytics Intern   **Feb 2023 - May 2023**
- Collected, cleaned, and preprocessed large datasets using Python, improving data quality and usability.
- Executed Exploratory Data Analysis (EDA) using Pandas, Matplotlib and Seaborn, including Correlation Analysis to uncover data trends.
- Applied predictive modeling and time series analysis, increasing the accuracy of predictions by 15%.
- Automated data pipelines using SQL and PySpark, enhancing data accessibility and processing speed.

Octagotech | Web Developer   **July 2022 - Nov 2022**
- Built interactive dashboards and optimized web traffic data, improving page load times by 15%.
- Integrated MySQL databases and customized WordPress themes, enhancing backend functionality and content management.
- Applied basic data analysis techniques to enhance site performance and user engagement and collaborated using Git and GitHub for version control, maintaining a clean and efficient codebase.

CreArt Solutions | Back-end Intern   **June 2022 - July 2022**
- Engineered a scalable email sender application using Django, HTML, and CSS, improving email delivery efficiency by 30%.
- Collaborated on backend API design and database integration using SQLite, reducing system bottlenecks by 20%.
- Implemented authentication and role-based access control, enhancing security and user management.

Elite Techno Groups | Data Science Intern   **Aug 2021 - Sept 2021**
- Conducted in-depth training and implementation of Supervised and Unsupervised Machine Learning models.
- Wrote python scripts for data extraction and processing, streamlining the preparation of datasets for analysis, achieving a 20% improvement in analytical accuracy through data-driven optimization.
- Utilized JSON for data exchange and integration, streamlining ML workflows.

PROJECTS

Movie Recommendation System
- Developed a semantic movie recommendation engine leveraging Hugging Face's Sentence Transformer models, enhancing movie search relevance by 25% based on semantic understanding and natural language input.
- Integrated the model in a Streamlit web app for real-time recommendations, boosting user engagement by 30%.
- Led backend development, including data preprocessing, feature extraction, and model implementation, while collaborating on front-end design and user interface.

Banking System using SQL and Python
- Designed a command-line banking system using Python and SQL to manage accounts, loans, and transactions, reducing manual processing time by 30%.
- Incorporated features such as account creation, deposits, secure fund transfers, loan management, and repayment tracking, improving transaction processing accuracy.
- Optimized SQL queries and database design, reducing query execution time by 25% and enhancing system performance.

Hate Speech Detection
- Performed Data Wrangling on the training and testing datsets to clean, transform, and prepare large datasets for analysis, ensuring data accuracy and consistency.
- Built and fine-tuned LSTM and BERT neural network models, achieving 93% accuracy in detecting and classifying hate speech in tweets.
- Optimized the model with hyperparameter tuning, dropout layers, and early stopping, reducing overfitting.

Data Analysis on Summer Olympics
- Analyzed Olympic data to uncover patterns in medal distribution, athlete performance, and country dominance.
- Created interactive Power BI dashboards, improving data-driven decision-making by 20% for analysts.
- Applied Sweetviz library for automated EDA and forecasting models to predict medal-winning probabilities.

SKILLS & CERTIFICATES

Programming Languages: Python, SQL, R, HTML, CSS, JavaScript, PHP, C, Java
Libraries and Frameworks: Pandas, NumPy, Matplotlib, Seaborn, Plotly, Scikit-learn, TensorFlow, PyTorch, Keras, XGBoost, OpenCV, PySpark, NetworkX, Streamlit, Flask
Database: MySQL, SQLite, Azure SQL Database, Redis
Softwares: Visual Studio Code, Jupyter Notebook, Git, Github, Power BI, Microsoft Azure, Azure Data Studio, MS Excel
Data Analysis Tools: SQL Workbench, Power BI, MS Excel, D3.js, Google Charts
Web Scraping & Data Extraction: BeautifulSoup, Scrapy
Certificates: MATLAB Onramp (Mathworks), Learning Python (Linkedin), Advanced Google Analytics (Google), Introduction to Data Science (IBM), Data Visulization (Kaggle), Deep Learning Fundamentals (Cognitive Classes)

EDUCATION

The University of Texas at Arlington | Masters of Science in Computer Science   **GPA: 3.82**
Relevant Coursework: Machine Learning, Artificial Intelligence, Data Mining, Cloud Computing and Big Data,
Database Systems, Design & Analysis of Algorithms, Data Analysis and Modeling Techniques   **May 2025**

L.J. Institute of Engineering and Technology | Bachelors in Computer Engineering   **GPA: 3.70**
Relevant Coursework: Data Structures & Algorithms, Web Development, Python for Data Science, Operating Systems,
Data Visualization, Discrete Mathematics   **June 2023**