Abdul Sheikh
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Education

Stony Brook University, Stony Brook, NY   Expected May 2026
Bachelor of Science: Technological Systems Management & Applied Mathematics and Statistics, Specialization in CS
Honors: University Scholar, Dean's List
Scholarships: UFT Scholarship (2022), Andrew and Merrill Silver Scholarship (2022), Excelsior Scholarship (2023)
Relevant Coursework: Introduction to Object-Oriented Programming, Digital Intelligence, Data Structures, Discrete Math, Analysis of Algorithm, Technology Assessment, Survey of Probability and Statistics

Projects

Weather Forecast Application (Java)   March 2024
- Architected and developed an advanced Java-based application for sophisticated location management, leveraging Binary Search Trees (BSTs) for optimized data storage and retrieval efficiency.
- Integrated real-time weather APIs to deliver precise and dynamic forecasts, incorporating features for intuitive location search and comprehensive weather information retrieval.
- Executed rigorous and comprehensive testing protocols to ensure the application's robustness, reliability, and accuracy in delivering weather data under various conditions.

Tchuka Ruma Game (C)   December 2023
- Developed a C-based solitaire game, Tchuka Ruma, incorporating automated gameplay logic through intricate loops and dynamic arrays for card movement and scoring mechanisms.
- Augmented user engagement by integrating standard input/output interfaces for player commands and real-time feedback, while conceptualizing and implementing comprehensive game rules for a challenging and immersive player experience.
- Conducted extensive testing and debugging to ensure optimal functionality and accuracy across diverse gameplay scenarios.

The Twitterbot (Python)   December 2022
- Developed a Twitterbot using Python and the Tweepy library, creating a new Twitter account and installing Tweepy for bot development.
- Utilized the provided file for implementation and designed the bot to post tweets with lyrics from popular artists' songs, creating engaging and interactive content for users.
- Implemented functionality to retrieve and post tweets while adhering to Twitter's acceptable behavior policies, including automated interactions with other users to enhance engagement.

Poetry Generator (Python)   November 2022
- Developed a Python tool to autonomously generate human-like poetry, incorporating rhyming lines, specific syllable counts, and a consistent ten-syllable meter.
- Designed an algorithm to dynamically select words based on complex linguistic rules for rhymes, syllables, and stresses, optimizing the poetry's flow and structural coherence.

Experience

Outlier   May 2024 – Present
AI Developer   Remote
- Developed and fine-tuned AI models by meticulously creating and answering complex mathematical questions, enhancing the model's understanding and accuracy.
- Critically evaluated and hierarchized AI-generated responses, ensuring high standards of precision, relevance, and contextual appropriateness, while assessing factual accuracy and pedagogical soundness to optimize instructional quality.

AVA Galerie   September 2022 – August 2023
Data Analyst & Web Designer   New York, NY
- Reviewed and evaluated company inventory levels by analyzing large datasets to uncover insights and trends, supporting data-driven decision-making.
- Managed the visual layout and user interface of websites, including the overall look, color schemes, typography, and interactive elements, ensuring a cohesive and engaging user experience.

Skills

- Proficient in Microsoft Office, Google Workspace
- Coding Languages: Java, Python, R, C, C#, JSON, HTML, CSS, LaTex Typesetting
- Fluent in English, Urdu, Punjabi, Hindi