Harsh Shah

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SUMMARY

Master of Science candidate in Information Technology, Arizona State University, expected May 2024. Equipped with advanced statistical and predictive analytics skills for diverse data-driven scenarios. Proficient in programming and research with a focus on data extraction optimization and enhancing data quality. Aiming to transition into a junior data scientist role in Fall 2024 to apply real-world data science expertise for innovation and insights in the field.

EDUCATION

M.S. Information Technology (Project Management)   Expected May 2024
Arizona State University, Tempe, Arizona   CGPA: 3.72
B.S Information Technology   May 2022
Vellore Institute of Technology, Vellore, India   GPA: 3.7
Relevant Courses: Data Structures and Algorithm, Advanced DB Management Systems, Natural Language Processing, Advanced Big Data Analytics/AI, Data in the Cloud Info Tech, Data Visualization and Reporting in IT, Cloud Architecture

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, Python (Numpy, pandas, Scikit-learn), C/C++, SQL, PHP
Front-End: HTML, CSS, React.JS
Tools, Databases, and OS: Adobe XD, Figma, MATLAB, Tableau, GitHub, Microsoft Office, Windows, macOS, Power BI, Linux.
Hard Skills: Data Visualization, Machine Learning, Statistical analysis, Data mining, Databases, AWS architecture, Database Skills.

RELEVANT PROJECTS

Spotify Insights Dashboard   Fall 2022
- Developed an advanced Tableau dashboard for a Spotify dataset with 113,999 tracks spanning 125 genres, enriched with unique audio features, offering valuable insights for artists, administrators, and end-users on music performance and genre trends.
- Showcased exceptional data visualization skills by answering 10 key questions from a complex dataset, emphasizing actionable insights and improved user experience in a professional context.

Stock Market Database and Analysis   Fall 2022
- Successfully completed a comprehensive stock market analysis project, employing statistical and technical indicators to minimize trading risks and maximize profits. Proficient in SQL and NoSQL database management, with expertise in data aggregation and querying.
- Demonstrated ability to work with diverse financial data, including stock information and transaction records, while showcasing problem-solving and database optimization skills. Positioned for roles in financial analysis and database management.

Brain Tumor Detection   Fall 2020
- Led a project improving brain tumor detection using a specialized MRI analysis platform, incorporating KNN image segmentation and a CNN model.
- Achieved an exceptional 98.1% accuracy with a dataset of 2,060 MRI images, advancing neurology diagnostics and showcasing technical proficiency in the medical domain.

Image Encryption and Decryption using AES and Visual Cryptography   Fall 2019
- Designed a secure image encryption algorithm using AES and Visual Cryptography, with rigorous cryptoanalysis and Python implementation.
- Showcased strong cryptographic skills, innovative solution development, and commitment to image privacy and security.

EXTRACURRICULAR EXPERIENCE

Member of AIESEC, VIT Vellore, India   08/2018 - 08/2019
- Worked as an active member of the AIESEC organization in the university and organized the national conference.
- Tutored the students in a government school with mathematics, geographical and political subjects.