

Nicholas R. Ghansyam

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EDUCATION

Bachelor of Science in Computer Science, Minor in Mathematics

August 2019

College of Natural Sciences and Mathematics, University of Houston, Houston TX

COMPUTER SKILLS

Languages: Python, C++, Java, HTML, CSS, SQL, C#, R, JavaScript, Node.js, MERN Stack, .NET Framework, PowerShell

Software: Microsoft Visual Studio, Microsoft Power Platform, Linux, Jupyter Notebook, MySQL Studio, Git, Jenkins

EXPERIENCE

Solutions Developer

May 2022 – Jun 2022

Allegiance Bank

- Develop multiple document generation automation to improve quality of life for stakeholders using built in tools and custom JavaScript modules
- Worked with an agile team of Business Analyst to ensure the stakeholders had full knowledge of the new tools and systems

IT Consultant - Energy Trading and Risk Management

November 2019 – May 2022

Wipro Limited

- Providing technical and analytical expertise around a specific discipline or knowledge area for the client
- Contributing to the successful completion of specific consulting engagements
- Support the client by contributing to the successful operations, developments, and marketing activities of the client

S&T IT Developer, Chevron Corp (August 2020 – May 2022)

- Part of a worldwide team to design and upgrade Chevron's trading and risk management platform to .NET based.
- Created and debugged various SQL Stored Procedures used by Right Angle system to create contracts.
- Given full responsibility in the migration and troubleshooting of 100s of custom .NET jobs from old to new system.
- Part of a team of trainers to create and train clients business users the ins and outs of the upgraded system.

IT Developer, Guttman Energy (May 2020 – August 2020)

- Monitored and supported over 14,000 incoming prices daily for commodity trading.
- Assisted in setting up management and mapping tools with incoming prices using Microsoft Biztalk Server and custom .NET applications to ensure commodity trades are parse, staged, and ready for Openlink's RightAngle, a commodity trading and risk management platform software
- Developed and tested PowerShell scripts to supply RightAngle staged prices to ensure business is getting up to date data for day-to-day trading

S&T IT Support, Chevron Corp (Nov 2019 – April 2020)

- Practiced Scaled Agile Framework to assisted cross functional collaboration within Gas Supply and Trading (GSAT) product lines using Azure DevOps
- Developed Microsoft PowerApps to provide useful information on various applications to S&T IT group
- Automated action items to facilitate Infrastructure Team on day-to-day operations using Microsoft Power Platform
- Experienced multiple deployments and releases to end business users using continuous integration practices

PROJECTS

Machine Learning Project using Neural Networks and Random Forest using Python and data analysis Python libraries

- Developed models using R to predict whether a player in a video game won the match based on 20 + attributes and 1000s of inputs
- Fabricated various models and Clustering algorithms on datasets using Python
- Using various Python libraries such as NumPy and Pandas along with others to handle data manipulation and analysis

Artificial Intelligence Pathfinding Simulation using Python

- Developed with a group a real time path finding algorithm using Q-learning and SARSA algorithms
- Encouraged a developed AI agent based on a reward system to sort out an optimal path based on a given "world"
- Assisted in the development of real-time visualization of the agents learning and movement throughout the given "world"

Developed a Game from the ground up with a team

- Created a game using C# within Unity engine that placed 3rd in an augural local game development competition.
- Practiced software development skills to streamline the develop of the game.
- Learned how to optionally work with a team of 5 to ensure our product was finished on time
- Created the front end of the application using HTML/CSS along with the necessary C# and SQL backend development.