BHARGAV PATEL

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bhargavp610.github.io/BhargavPatel_Portfolio/index.html

PROFESSIONAL SUMMARY

In order to progress professionally and be inspired to push the boundaries of Computer Science, I want to work in a dynamic, competitive atmosphere. I'm excited about using my knowledge to support the organization's success. I'm looking for a position with a progressive business that values innovation and offers opportunities for both professional and personal growth.

EDUCATION

New Jersey Institute of Technology   **January 2020 - December 2022**
Bachelor's computer science   GPA:3.165

Hudson County Community College   **January 2020 - December 2022**
Associate's computer science   GPA:3.7

CERTIFICATIONS

- NSLS Leadership Certification
- 3rd Place – Senior Capstone Project Showcase, NJIT
- Student of Dean's List

SKILLS

Programming & Tool: C, C++, Java, Python, SQL, PL/SQL, HTML, JSON, XML, PHP, Git, GitHub, Unity (C#), MongoDB, BeautifulSoup, Microsoft
Soft Skills: Communication, Time Management, Adaptability, Teamwork, Problem-solving

EXPERIENCE

Uber *Food Delivery Driver*   **New Jersey, USA** *Febr 2023 - Present*
- Delivered food while resolving delivery issues and maintaining strong customer relations
- Practiced time management and adaptability to meet expectations in a fast-paced environment.

Dunkin *Shift Leader*   **West New York, NJ, USA** *Jan- 2020 - Dec- 2022*
- Managed daily store operations, delegated tasks, and resolved customer issues for satisfaction, improving efficiency and team coordination through collaboration and standardized procedures.

Hudson County Community College *Enrollment Assistant*   **Jersey City, NJ, USA** *Mar 2022 - Jun 2022*
- Guided students through admissions procedures and clarified application-related questions
- Maintained accurate data records and provided helpful, clear communication during in-person and phone interactions.

PROJECTS

Lexical Analyzer (C++): Built a compiler component to tokenize input using regular expressions and finite automata. Detected syntax errors and validated lexical structure efficiently.
15-Puzzle Solver (C): Developed an A* search algorithm to solve the classic sliding tile puzzle, implementing heuristics like Manhattan Distance for optimized pathfinding in large state spaces.
Stock Tracker (Python, BeautifulSoup, PHP, MongoDB): Scraped live stock data using BeautifulSoup and stored it in MongoDB. Created a backend with PHP to serve and monitor stock changes via a lightweight server-side script.
Advanced Database System (PL/SQL, JSON, XML, MongoDB): Designed and queried advanced database structures; converted XML to JSON and vice versa. Wrote and optimized complex PL/SQL queries for academic data analysis.
3D Game Projects (Unity, C#): Created multiple games emphasizing realistic movement and physics. Senior project included designing a realistic avatar with smooth walking animations using animation blending and inverse kinematics in Unity.
redit Card Categorization (using scikit-learn and Python): Decision Tree, KNN, and Naive Bayes models are used to classify credit scores into Good, Standard, and Poor categories. focused on model training, cross-validation, feature selection, and accuracy evaluation using a precision/recall and confusion matrix.
Weather Predictor (Python, Regression Models): A machine learning model was developed to forecast the weather based on previous meteorological data. Excellent interpretability and test-set assessment were achieved in the training of the regression model, feature scaling, and data preparation.