

BHARGAV PATEL

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PROFESSIONAL SUMMARY

Detail-oriented and motivated Computer Science undergraduate with strong foundations in software development, algorithms, and database systems. Experienced in building full-stack applications, data pipelines, and machine learning models. Adept at using C++, Python, Java, SQL, and tools like MongoDB, Git, Unity, and BeautifulSoup. Known for analytical problem-solving, collaboration, and clear communication.

EDUCATION

New Jersey Institute of Technology

Bachelor's computer science

January 2020 - December 2022

GPA:3.165

Hudson County Community College

Associate's computer science

January 2020 - December 2022

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.