

BHARGAV PATEL

+1 (201) 442-9672 | bhargavp954@gmail.com | Jersey City, NJ, USA | [linkedin.com/in/bhargav-patel610/](https://www.linkedin.com/in/bhargav-patel610/) | github.com/Bhargavp610 | bhargavp610.github.io/BhargavPatel_Portfolio/index.html

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.

SKILLS

Programming & Tool: C, C++, Java, Python, SQL, PL/SQL, HTML, JSON, XML, PHP, Git, GitHub, Unity (C#), MongoDB, BeautifulSoup, Excel/Numbers/Sheets, PowerPoint/Keynote/Slides, Word/Pages/Docs

Soft Skills: Communication, Time Management, Adaptability, Teamwork, Problem-solving

PROJECTS

Lexical Analyzer (C++): Developed a compiler component that tokenized input using regular expressions and finite automata. Identified syntax errors and validated lexical structure for source code input.

15-Puzzle Solver (C): Implemented an A* search algorithm to solve the 15-puzzle, applying Manhattan Distance as a heuristic to compute optimal moves across large state spaces.

Stock Tracker (Python, BeautifulSoup, PHP, MongoDB): Scraped live stock prices using BeautifulSoup and stored data in MongoDB. Built a PHP backend to display and track real-time stock changes through a lightweight server-side interface.

Advanced Database System (PL/SQL, JSON, XML, MongoDB): Designed advanced database schemas and translated data between XML and JSON formats. Authored and refined complex PL/SQL queries to support academic performance analysis.

3D Game Projects (Unity, C#): Built multiple interactive 3D games featuring realistic physics and player controls. Capstone project focused on avatar design using animation blending and inverse kinematics for natural motion.

Credit Card Categorization (scikit-learn, Python): Built classification models (Decision Tree, KNN, Naive Bayes) to predict credit categories: Good, Standard, and Poor. Focused on model training, feature selection, cross-validation, and performance analysis using precision, recall, and confusion matrix.

Weather Predictor (Python, Regression Models): Developed a regression-based model to forecast weather patterns using historical data. Prepared features, scaled data, and evaluated model accuracy with test-set performance metrics.

EXPERIENCE

Uber **New Jersey, USA**
Food Delivery Driver *February 2023 - Present*

- Delivered 200+ food orders monthly, resolving delivery issues and ensuring customer satisfaction through timely and accurate service.
- Utilized GPS navigation and real-time tracking tools to optimize delivery routes, improving delivery speed and reliability.

Dunkin **West New York, NJ, USA**
Shift Leader *January 2020 - December 2022*

- Guided over 150 students through admissions and enrollment processes, enhancing understanding of academic requirements and deadlines.
- Maintained 200+ student records and communicated effectively in-person and over phone/email to support student inquiries and ensure data accuracy.

Hudson County Community College **Jersey City, NJ, USA**
Enrollment Assistant *March 2022 - June 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.

CERTIFICATIONS

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

EDUCATION

New Jersey Institute of Technology - B.S. in Computer Science, Newark, NJ *May 2025 / GPA: 3.12*

Hudson County Community College - A.S. in Computer Science, Jersey City, NJ *Dec 2022 / GPA: 3.7*