

Bhargav Patel

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Profile

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.

Experiences

Shift Leader – Dunkin Donut

• 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.

Enrollment Assistant – Hudson County Community College

• Fall 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.

Food Delivery Driver – Uber Eats

• Feb 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.

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.

Education

- B.S. IN COMPUTER SCIENCE | NEW JERSEY INSTITUTE OF TECHNOLOGY, NEWARK | EXPECTED: JANUARY 2025. GPA: 3.165
- A.S. IN COMPUTER SCIENCE | HUDSON COUNTY COMMUNITY COLLEGE, JERSEY CITY | JANUARY 2022
GPA: 3.7

Skills & Abilities

- **Programming & Markup:** C, C++, Java, Python, SQL, PL/SQL, HTML, XML, JSON
- **Tools & Technologies:** MongoDB, PHP, Git, GitHub, Unity (C#), BeautifulSoup
- **Software & Systems:** Microsoft Excel, Word, PowerPoint; Debugging, Reporting, Documentation
- **Soft Skills:** Effective Communication, Time Management, Teamwork, Adaptability

Certifications & Achievements

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