

Bhavik Patel

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[github](#) | [linkedin](#)

EDUCATION

Bachelors of Science - Computer Science

Rutgers University

Sep 2020 - May 2023

New Brunswick, NJ

Relevant Coursework: Design & Analysis of Computer Algorithms, Data Structures, Computer Architecture, Intro to Data Science, Data Mgmt for Data Sci, Internet Technology, Intro to Computer Science, Principles of Programming Languages, Imaging and Multimedia, Software Methodology, Minds Machines and Persons, Discrete Structures 1 and 2, Linear Algebra, Calculus 1 and 2, Physics 1 and 2

SKILLS

Programming Languages Python | Java | C++ | C | CSS | JavaScript | MATLAB | HTML | SQL
Technologies AWS | Microsoft Azure | Pandas | React.js | Flask | NumPy | Matplotlib | Android | Git
MongoDB | MySQL | TensorFlow

EXPERIENCE

Puddle Analytics ([Link](#))

Feb 2021 - Mar 2022

Developer/Co-Founder

Edison, NJ

- Directed a data analytics platform focused on empowering community businesses to analyze data streams and key performance indicators (KPIs); increased revenue for multiple groups by 20% in 3 months
- Achieved significant sales growth, with a demonstrated increase of over 30% in projected customer sales
- Created interactive frontend widgets using HTML, CSS, and Figma, enhancing user engagement and improving the overall user experience and satisfaction by 25%
- Implemented an interactive analytics model utilizing Python libraries such as Pandas, seaborn, Matplotlib, and numpy, enabling advanced data analysis and visualization capabilities while reducing processing time by 30% and improving accuracy by 20%
- Leveraged AWS and Flask to design and manage the backend infrastructure, ensuring secure and scalable storage of critical information

SOHQ

Jan 2021 - Mar 2021

Developer/Co-Founder

Edison, NJ

- Designed and developed a platform that provides hands-on experience for inexperienced students, enabling them to work on real-world projects aligned with their major. This initiative resulted in the successful placement of over 50 interns
- Engineered a Python-based data scraping program using BeautifulSoup, Selenium, and CSS that effectively identified local businesses without an online presence. By enabling these businesses to establish a website, their marketing reachability expanded by over 100%, significantly enhancing their online visibility and customer outreach

Data Science Club

Sep 2022 - May 2023

Coordinator/Member

New Brunswick, NJ

- Delivered and executed over 15 hands-on projects using popular data science libraries and tools such as Python, NumPy, Pandas, Matplotlib, and scikit-learn, providing practical experience in data analysis, visualization, and machine learning.
- Collaborated with other student clubs and organizations to create data-driven events and hackathons, fostering cross-disciplinary collaboration and promoting data literacy across campus for 50+ students.

NOTABLE PROJECTS

Android Chess App ([Link](#))

Nov 2022 - Dec 2022

Java/Kotlin

- Engineered a feature-rich chess app for Android using Java and Android Studio, leveraging tools such as Android SDK, Gradle, and Android Emulator.
- Integrated a powerful chess engine, employing algorithms such as minimax with alpha-beta pruning and piece valuation heuristics, demonstrating strong algorithmic and implementation skills

Sorting Algorithm Visualizer ([Link](#))

Sep 2022 - Oct 2022

Python

- Developed a sorting algorithm visualizer using Pygame and Python, demonstrating proficiency in game development and algorithm implementation improving comprehension by 50
- Implemented interactive visualizations for 5+ popular sorting algorithms, including Quick Sort, Merge Sort, Insertion Sort, Bubble Sort, Selection Sort, and Heap Sort