

Dharmik Patel

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Education	Rutgers University • New Brunswick, NJ • Bachelor of Science in Computer Science , Cumulative GPA: 4.00/4.00 • Awards: Deans List - All Semesters, Chancellor's Promise Scholarship Relevant Coursework: Data Structures, Computer Architecture, Discrete Structures 1, Discrete Structures 2, Virtual Reality & 3D Game Development, Mobile App Development, Calculus 1, Calculus 2, Intro to Linear Algebra	Expected: Spring 2025
Professional Experience	Rutgers' Office of Information Technology • IT Consultant • New Brunswick, NJ • Diagnose and report software and network issues on 178 computers and 10 printers across 3 computer labs to maintain normal functionality of the computers/printers for students and professors • Provide technical support to students and professors hosting classes/tests in the computer labs to ensure proper permissions and roles for Microsoft Outlook and the Rutgers Administration Domain	September 2021 - Present
Leadership Experience	BAPS Charities • Regional Project Manager • Northeast, US • Formulated an innovative approach to generate an accurate 3D representation of the main concrete pour through the strategic application of surveying technology. Exploited the 3D model to attain precise measurements, resulting in cost efficiencies and a noteworthy time-saving of 2 months • Designed a Productivity Messenger Bot, used by 25 colleagues, that sends tasks from the Todoist App to Telegram, every 3 hours, requiring less follow up messages from team leads to team members • Plan and execute the production of grander projects such as Kids Diwali Celebration, Bal-Balika Sports Day and yearly Summer Shibirs, that host ~4,000 attendees focusing on empowering the youth of today • Scripted and edited weekly 45 minutes animated videos that were broadcasted on the BAPS North America YouTube channel during the COVID-19 pandemic that promote cultural values; viewed by ~2,000 youths weekly BAPS Charities • Local Analyst Co-Lead • Robbinsville, NJ • Spearheaded redevelopment of internal tracking system in use by 30 coworkers allowing coworkers to identify focus families which increased weekly attendance by 20% (100 weekly delegates to 140 weekly delegates) • Led a team of 8 analysts to manage a \$5,000 yearly budget coming from donations/sponsorships and created a system to keep track of supplies reducing the need to buy new supplies from every 2 months to every 6 months	September 2021 - Present June 2016 - August 2021
Projects	Attendance Bot • JavaScript, HTML, Google Sheets API • Led 8 local analysts to automate repetitive attendance data transfer from Google Sheets to the BAPS Charities' data management system resulting in reduced analysis time by 2+ hours per week • Streamlined bot functionality to increase weekly attendance data collection in 40+ youth centers located in the Northeast US, by ~90% over 1 year (from 25 weeks to 49 weeks of data collected) AI Learns to Play Pacman • Unity 3D, C#, TensorBoard, ML Agents • Utilized Unity 3D to make a 3D version of Pacman and visualized the performance of the neural networks with TensorBoard to determine the best configuration of input parameters and reward systems to beat the game • Trained 10 neural networks with reinforcement learning and curriculum learning for ~2 hour per neural network to achieve the final neural network that wins the game 100% of the time Superlist • Java, Generics, Data Structures, Object-Oriented Design • Combined the functionality of Queues, Stacks, and ArrayLists in one data structure built on linked lists and nodes • Constructed all class with generics and all methods have the same time complexity as the Java Standard Library	July 2021 - August 2021 March 2021 - June 2021 October 2020 - December 2020
Skills & Interests	Power Skills: Cognitively Creative, Detail Oriented, Critical Thinking, Client Service, Team Oriented, Organization Languages: Java • C# • Python • C • JavaScript • Dart • HTML • CSS Libraries & Tools: Java Swing, ML Agents, Pandas, Pygame, Google Cloud Vision, GDB, Flutter, Tensor board Software: Unity 3D, Android Studio, Linux CLI, Jupyter Notebook, MATLAB, Photoshop, InDesign, After Effects Interests: Volleyball, Photography, Cultural Dancing, Video Editing, Volunteering, Yoga, Puzzles, Music, Cooking	