

Dharmik Patel

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| Education | Rutgers University • New Brunswick, NJ ▸ Bachelor of Science in Computer Science , Cumulative GPA: 3.89/4.00 , Major 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 Computer Labs • 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 ▸ Implement proper opening & closing procedures to ensure cleanliness and professionalism in the computer labs | September 2021 - Present |
| Leadership Experience | BAPS Charities • Regional Project Manager • Northeast, US ▸ 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 • HTML • CSS Libraries & Tools: Java Swing, ML Agents, Pandas, Pygame, Google Cloud Vision, Cron, GDB, Tensor board Software: Unity 3D, Android Studio, Linux CLI, Jupyter Notebook, MATLAB, Photoshop, InDesgin, After Effects Interests: Basketball, Photography, Cultural Dancing, Video Editing, Volunteering, Yoga, Puzzles, Music, Cooking | |