Bhavik Panchal

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Description
Computer Science student with hands-on experience in C/C++, Python, and Java, along with a strong foundation in QA, testing, and debugging. Skilled in web development and cloud platforms, with a passion for designing and building innovative software solutions that enhance user experience.

Education
Montclair State University, B.S.
Major – Computer Science | Minor – Data Science
- 3.3 GPA

Skills & abilities
- **Programming Languages**: Java, Python, HTML, CSS, PHP, MySQL, JavaScript
- **Microsoft Office Suite**: Word, Excel, Outlook, PowerPoint
- **Technical Skills**: Data Structures and Algorithms, Logic, Mathematics, Debugging
- **General**: Management, Teamwork and Collaboration, Problem-Solving, Stress Management, Critical Thinking

Experience
AV Systems Software Engineer Assistant | Montclair State University   Jan – 2023 - Current
- Provided technical support for audio-visual (AV) systems, including software configuration, system updates, and troubleshooting AV control software, ensuring 99% uptime and optimal system performance during events.

- Diagnosed and resolved AV system software issues, including connectivity and compatibility problems, reducing setup time by 20% and minimizing downtime across events.

- Assisted in the integration and configuration of software-driven AV components, such as digital signage, presentation software, and video conferencing platforms, increasing event delivery efficiency by 15% and improving attendee experience.

- Managed the setup and operation of AV software for over 50+ events, resulting in a 95% satisfaction rate among event organizers, ensuring seamless integration of lighting, sound, and presentation systems with event management software.

- Contributed to the planning and execution of events by utilizing event management software tools, streamlining technical coordination by 25% and boosting overall event participation and engagement by 10%.

Projects
Mirai E-Commerce Platform
- Implemented user authentication, shopping cart functionality, and order management, enhancing transaction processing speed by 30% and ensuring 100% data security through SQL injection protection and password hashing.

- Developed customer and employee interfaces, including a dashboard for managing 100+ products and tracking orders, streamlining internal processes by 25% and reducing product discovery time by 40%.

- Gained hands-on experience with PHP, MySQL, and JavaScript, contributing to a 15% improvement in system performance and reducing page load times.

Java Snake Game
- Developed a classic Snake game in Java with user controls, collision detection, and score tracking, ensuring smooth gameplay through efficient game logic and real-time updates.

- Enhanced object-oriented programming skills by designing modular code components and utilizing event-driven programming for dynamic gameplay control.