

HEMIL PATEL

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EDUCATION

Montclair State University, Montclair, New Jersey

Expected May 2026

Bachelor of Science in Computer Science, GPA: 3.8 (Dean's list 2022/2023/2024)

EXPERIENCE

Data and Systems Engineering Intern, Hackensack Meridian Health

June 2024 – August 2024

Edison, New Jersey

- Managed multiple SQL and Oracle databases by performing Transparent Data Encryption (TDE), conducting 15+ server patches, and troubleshooting complex issues, ensuring 99.9% system uptime and optimal data integrity for critical healthcare systems.
- Led 5+ infrastructure migrations including Care Everywhere and F5 server upgrades, while hosting 6+ Epic Change Advisory Board (CAB) calls, resulting in a 20% reduction in server downtimes and increased system security and compliance.
- Collaborated with 4+ cross-functional teams (PeopleSoft, Epic, Cybersecurity, and Oracle) on 7+ strategic initiatives, streamlining database operations and reducing troubleshooting time by 30% through proactive issue resolution and enhanced workflow automation.

AV Software and Systems Engineering Assistant, Montclair State University

January 2023 – Present

Montclair, New Jersey

- Delivered Tier-2 Technical Support: Diagnosed and resolved complex audiovisual system issues, elevating user satisfaction scores and ensuring 99% availability of AV resources across high-traffic campus locations.
- Implemented a new Digital Signage System: Integrated a campus-wide digital signage network, enhancing information dissemination and optimizing content delivery for over 100+ high-visibility locations.
- Spearheaded AV System Integration and Upgrades: Engineered seamless integration of AV equipment, optimizing 50+ academic and event spaces for high-definition content delivery, resulting in a 40% improvement in instructional technology utilization.

Projects

Grocery Store Management System

- Engineered a full-stack Grocery Store Management Application using Python (Flask), HTML/CSS, JavaScript, and MySQL to streamline inventory operations.
- Developed dynamic features for product management, including CRUD functionalities and custom unit of measure additions, enhancing flexibility.
- Designed a responsive, user-centric interface using modern web technologies, improving user experience and engagement.

Inventory Management System

- Developed a comprehensive Inventory Management System using Java, Spring Boot, and MySQL, enabling real-time tracking and management of product inventory.
- Integrated RESTful APIs for streamlined communication between front-end and back-end systems, supporting seamless updates and data synchronization.
- Implemented role-based access control to secure sensitive operations, enhancing system security and compliance.
- Designed an interactive dashboard using Bootstrap and Chart.js to visualize inventory trends and real-time stock levels.

SKILLS

- Programming Languages: Java, Python, C, C++, HTML, CSS, JavaScript, SQL, Scala, Bash
- Frameworks & Libraries: Spring Boot, Flask, React.js, Bootstrap, NLTK, SpaCy
- Database Management: MySQL, MongoDB, Oracle
- Cloud & Tools: AWS (EC2, S3), GCP, Docker, Snowflake, Git, Power BI, Asana
- Technical Skills: IT Service Management, Networking, Database and System Administration, Project Management