

# Dev Patel

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## EDUCATION

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### Rutgers University

Expected Graduation: May. 2026

*Bachelor of Science in Electrical and Computer Engineering*

*New Brunswick, NJ*

- **Minor:** Human Resource Management
- **Relevant Coursework:** Programming Methodology, Computer Architecture, Software Engineering, Digital System Design, Parallel & Distributed Programming, Talent Acquisition, Compensation & Rewards

## EXPERIENCE

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### Technical Consultant | *Freelance*

Mar. 2025 – Present

- Provided on-site and remote troubleshooting for students, professors, and private clients, resolving issues with printers, Wi-Fi routers, home cameras, and entertainment systems.
- Recommended and configured technology solutions tailored to individual needs, improving client satisfaction and enabling smooth adoption for non-technical users.
- Strengthened communication and problem-solving skills by translating complex technical concepts into user-friendly explanations.

### SQL Assignment Grader | *Rutgers University*

Fall 2025 - Present

- Evaluated and graded MySQL assignments for **04:189:101:03 – Introduction to Communication & Information**, covering multi-table joins, aggregation functions, and database schema design.
- Verified correctness of student queries against an answer key and standardized grading rubric across 100+ submissions.
- Delivered targeted feedback to identify logical errors, inefficiencies, and best practices in SQL query construction.

### Help Desk Technician | *Rutgers Business School*

Sep. 2021 – Present

- Managed and maintained **100+ Bloomberg terminals** for over 1,000 students, ensuring seamless hardware/software functionality and minimizing downtime.
- Collaborated with IT managers to deploy and configure campus computers used by 400+ professors and staff, streamlining academic operations.
- Designed and deployed a lightweight internal website that allowed staff to upload service tag images and automatically generated an Excel list, reducing manual entry time by 70%.
- Authored a comprehensive user guide for Virtual Labs, PowerBI, and Dropbox, increasing efficiency and self-service adoption among faculty and students.

### Fusion Sales Athlete | *Sunrun*

May. 2024 – Sep. 2024

- Generated and converted leads through effective door-to-door canvassing, contributing to a **2% customer base increase** by leveraging in-depth knowledge of solar energy systems.
- Expanded outreach by networking with potential clients and managing a personal schedule and sales territory to maximize productivity.

## ENGINEERING PROJECTS

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### Traffic Signal Logic Circuit Design | *Circuit Design*

- Engineered a logic circuit for a six-light traffic signal using two input bits, transitioning from LED testing to a power-efficient connector setup.
- Integrated environmental sensors to activate specific lights based on ambient conditions, showcasing adaptability in designing responsive lighting systems.

## TECHNICAL SKILLS

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**Languages:** Java, C, C++, Python, MATLAB, Verilog, Swift

**Developer Tools:** Git, GitHub, VS Code, Visual Studio, Linux, Microsoft Office

**Electrical/Embedded Proficiency:** Multimeter, Waveform generator, Oscilloscope, Logic analyzer, Soldering, PCB Design, LTSpice, 3D Printing