Ohm Patel

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EDUCATION

Rutgers University–New Brunswick — **New Brunswick, NJ**
B.S. in Computer Science and Data Science (Double Major), Minor in Economics — *Expected May 2027*

- **GPA:** 3.52/4.00 | Dean's List
- **Relevant Coursework:** Data Structures and Algorithms, Internet Technology, Introduction to AI, Econometrics
- **Activities:** Intramural Basketball Team Captain (Spring 2026 Champions)

TECHNICAL SKILLS

- **Networking & Security:** TCP/IP, socket programming, DNS, TLS/PKI, SPF/DKIM/DMARC, Certificate Transparency, NIST CSF, cybersecurity risk assessment
- **Languages:** Python, SQL, Java, R, HTML, CSS
- **Databases & Python Libraries:** PostgreSQL, SQLite, SQLAlchemy, pandas, NumPy, Matplotlib, Seaborn, Plotly Dash, pytest
- **BI & Analytics:** Tableau, Power BI, Microsoft Excel
- **Certifications:** CompTIA Network+ (Expected Nov 2026), CompTIA Security+ (Expected Mar 2027)

TECHNICAL EXPERIENCE

vCISO | Extern — **Remote**
Cybersecurity Risk Assessment Extern — *Nov 2026 – Present*

- Conducting a cybersecurity risk assessment under the guidance of a practicing Virtual CISO
- Identifying threats, vulnerabilities, and control gaps, and drafting prioritized remediation recommendations

New Jersey Department of Health — **Ewing, NJ**
Project Assistant Intern — *May 2026 – Aug 2026*

- Built an interactive Python (Plotly Dash) dashboard for NJDOH's Chemical Terrorism Laboratory, automating manual tracking workflows and reducing tracking time
- Partnered with lab staff to convert raw Excel data into KPI reports, cutting reporting time
- Validated and consolidated 200+ product and equipment records in the ICAM database, creating a single trusted inventory source for lab scientists, fellows, and supervisors

KIRO Group | Hudson County Community College — **Jersey City, NJ**
Network Operations Job Shadow — *Jun 2025 – Aug 2025*

- Shadowed a network technician on site at campus buildings, observing the network infrastructure in the field
- Observed how network monitoring alerts were delivered to the technician's tablet and responded to in the field
- Observed on-site troubleshooting of an offline wireless access point, with the technician connecting directly to restore it

PROJECTS

Personal Finance Analytics Pipeline | *Python, PostgreSQL, Tableau*

- Engineered a Python ETL pipeline to deduplicate and categorize 1,390+ synthetic bank and credit card transactions
- Developed detection logic that identifies recurring subscriptions using only billing cadence and amount patterns
- Wrote PostgreSQL window-function queries to compute savings rate and rolling averages and flag spending anomalies
- Excluded transfers from spending metrics, built Tableau visualizations, and validated the pipeline with 38 tests

External Attack Surface Risk Scorer | *Python, PostgreSQL, Plotly Dash, NIST CSF*

- Built a Python tool that passively assesses an organization's external attack surface and scores risk from 0–100
- Automated SPF/DKIM/DMARC, TLS, and certificate expiry checks, with Certificate Transparency subdomain discovery
- Mapped findings to NIST CSF controls with remediation guidance in a Plotly Dash dashboard, backed by a pytest suite

ADDITIONAL EXPERIENCE

Costco Wholesale — **Bridgewater, NJ**
Cashier / Inventory & Data Accuracy Associate — *Jun 2024 – Present*

- Audit 2,000+ SKUs with RF scanners and resolve count discrepancies, raising inventory accuracy from 86% to 97%
- Converted 100+ members to Executive Membership by analyzing purchase history to project their annual rewards
- Selected by management to train 5 new hires on register, membership, and inventory; serve 500+ members per shift