Bindi Patel

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Education

Virginia Commonwealth University, Richmond, VA   Expected Graduation: May 2026
Bachelor of Science in Computer Science with a concentration in CyberSecurity/Data Science

Programming Languages and Development: Proficient in JAVA, C++ (data structures and algorithms), Python (for general-purpose programming), JavaScript (web development), basic understanding of SQL
Software Tools: Familiar with IntelliJ IDEA, Jupyter Notebooks for data analysis, experience with Oracle
Web Development: Practicing HTML, CSS, and JavaScript for front-end development
Certifications in Progress: CompTIA Security+, Cisco CCNA CyberOps

Projects

"Unequal Justice" Project, Aug 2023 - Present
- Collaborated on interactive website development on German women's involvement in Nazi war crimes
- Employed data visualization and web design, including GIS and R

A.I. Governance VIP (Vertically Integrated Project), Aug 2023 - Present
- Member of a multidisciplinary team, 5 students and 2 professors, investigating AI's societal impact
- Contributing to research, policy analysis, and technology development
- Focus areas: deception detection, international policy, transparency, and public engagement

Designed a Relational Database for School Coding Club
- Analyzed data needs and created ER diagram to model member, event, and competition event
- Implemented MySQL database with normalized tables, indexes, keys, and SQL queries
- Followed security best practices like password hashing and user access controls

Other Work Experience

Academic Tutor, Self-employed, Remote   Sept 2018 – Nov 2022
- Virtual tutoring for math and language arts students, delivering personalized guidance to improve understanding and academic performance
- Founded and marketed my tutoring services through social media (Instagram, Facebook), effectively managed scheduling and session planning, ensuring punctuality maximizing the efficient use of tutoring time
- Adapted teaching methods to suit individual learning styles, resulting in an average 20% improvement in students' grades and 35% comprehension.

Dental Assistant/Receptionist, Warrenton Dental Center, Warrenton, VA   May 2021 – Aug 2022
- Prepared treatment rooms, assisted dentists during procedures, and maintained instrument sterilization
- Boosted dentist productivity by 15% and optimized supply inventory
- Efficiently managed front desk operations and patient appointments while reducing waiting times by 20% and enhancing patient satisfaction

Leadership and Activities

Society of Women Engineers (SWE), Networking Committee, Fall 2023-Present
AI Club (VCU), member, Fall 2023-Present
African & Asian Engineering Association (VCU), member, Fall 2023-Present
Women in Computer Science (WIC), member, Fall 2023-Present