

AVNEET SINGH

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📁 [Portfolio](#)

Education

The University of Toledo: College of Engineering

Bachelor of Science: Computer Science and Engineering

Anticipated Graduation Date : Dec 2026

Toledo, Ohio

Relevant Coursework

- Object Oriented Programming
- Linear Data Structures
- Electric circuits
- Computer Architecture
- Introduction to Logic
- Discrete Structures
- Computer Architecture

Experience

IT Administrator

Student Administrator

October 2023 – Present

Toledo, Ohio

Provide technical support to over 500+ university members by installing and configuring desktops and laptops, ensuring compliance with cybersecurity, and licensing agreements.

- Interacted with over 50+ end-users both face-to-face and remotely, consistently receiving positive feedback with a satisfaction rate exceeding 80%, indicating highly effective problem resolution.

KPIT Technologies Limited

Software Engineer Intern

June 2024 – August 2024

Novi, Michigan

Developed innovative Excel report generation tools using Python and PyQt5, transforming complex datasets into user-friendly insights while enhancing data processing efficiency and user experience.

- Independently delivered 3 complex data integration & report automation systems in Python (pandas, GUI) under tight deadlines and ongoing client interaction

Softage Information Technology Limited

Website Developer Intern

June 2023 – July 2024

Gurugram, India

Developed a diverse skill set in Django, HTML, CSS, JavaScript, and Python to drive positive website results.

- Utilized skills to enhance user interfaces, resulting in a notable 20% increase in user satisfaction and engagement.

Projects

Personal Portfolio | *HTML, React, Node*

January 2024

- * Developed a dynamic and interactive React.js portfolio website, leveraging Node for backend, data management and API integration.
- * Integrated advanced features such as live project demos and contact forms using React components for a seamless user experience.

Automated Network Configuration Report Generation | *Python, Automation*

August 2024

- * Engineered a sophisticated Python-based tool that revolutionized Excel report generation for network configurations, processing complex VLAN and MAC address data from multiple sources with 99% accuracy and reducing manual reporting time by 80%.
- * Developed an intuitive PyQt5 GUI that streamlined user interaction, integrated advanced data handling algorithms, and implemented dynamic styling, resulting in a 50% increase in report clarity and a 30% boost in team productivity.

Hospital Management System | *Java, Eclipse, JavaFX*

February 2023

- * Designed and developed a comprehensive Hospital Management System using Python and MySQL.
- * Utilized anonymized patient data to tailor the design process, ensuring features like secure login, real-time status tracking, and advanced search to address medical staff and patient needs.

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL

Developer Tools: Visual Studio, Git, Node.js, PowerShell, VMware, Eclipse IDE, PyCharm

Technologies/Frameworks: Linux, GitHub, AWS, Microsoft Azure, Vercel

Honors / Achievements

Dean's List Awardee

Spring 2023, Spring 2024

Rocket Cricket Club

Fall 2023 - Present

President and Co-Founder

Punjabi Student Association

Spring 2023 - Fall 2023

Vice-President