

Prakriti Acharya

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Motivated IT student with ability of delivering technical solutions through empathetic communication, listening, intuitive problem-solving, and a personable approach transforming complex technical challenges into user-friendly experiences

SUMMARY OF QUALIFICATIONS

- Proficient communicator with the ability to convey technical details to diverse audiences.
- Ability to set up, configure, and troubleshoot computer systems and peripheral equipment.
- Experienced in installing, updating, and maintaining software as well as resolving technical issues.
- Experienced in documenting complex concepts into understandable segments to ensure clarity and engagement.
- Demonstrated leadership in team and project management, with efficiency in time management and a dynamic work style.
- Ability to think creatively and analytically in developing solutions and strategies in dynamic work environments.

TECHNICAL SKILLS

Frontend: HTML, JavaScript, CSS

Backend: Python, Java, JavaScript

Networking: IPv4/IPv6, DHCP, DNS, Routing, Switching

Scripting: Bash, PowerShell

Database: MySQL, Workbench, MongoDB

Other programming languages: C#, C++

IoT: Arduino

Cloud Computing: Azure, AWS, Digital Ocean

Operating System: Win 11/10, Windows server

IDE: Visual Studio, PyCharm, Eclipse, IntelliJ, TinkerCad, figma and other designing tools

MS Suite: MS Excel, MS Word, MS PowerPoint, Outlook, Teams, SharePoint

EDUCATION

Diploma in Computer Programming

Jan 2024 - Present

Georgian College - Barrie, ON

- Courses: Computer Networking, IoT, C#, HTML/CSS, PHP, JavaScript, Python, Java, Cloud computing
- Dean's List

ACADEMIC PROJECT EXPERIENCE

Tik-Tac-Toe development led lights

- **Project Purpose:** Created an LED Tic-Tac-Toe game using Arduino in Tinkercad.
- **Tech Setup:** Configured an Arduino board with a 3x3 LED grid for the game board.
- **Circuit Components:** Used LEDs, resistors, and push buttons for player inputs.
- **Game Logic:** Developed code to handle player turns, winning conditions, and reset functionality.
- **Tinker cad Simulation:** Simulated and debugged the circuit and code within Tinkercad.

Key Features:

- **LED Grid:** Built a 3x3 LED matrix to represent the Tic-Tac-Toe board.
- **User Input:** Programmed buttons to let players take turns with visible LED feedback.
- **Win Detection:** Implemented LED patterns for winning sequences and game end states.

Pizza Website (frontend) development

- **Project Purpose:** Developed a pizza ordering frontend to simulate real-life applications.
- **Team Roles:** Divided tasks among three members for design, development, and integration.
- **Tech Stack:** Used HTML, CSS, JavaScript, and frameworks (e.g., React/Vue) for interactivity.
- **User Interface:** Created an intuitive, responsive layout for seamless navigation.

Key Features:

- **Pizza Selection:** Displayed various pizzas with size and crust options.
- **Customization:** Enabled dynamic topping selection with instant price updates.
- **Cart & Checkout:** Designed an interactive cart with real-time cost and checkout option.

Expense Tracker Web Application (JavaScript Project)

- **Project Purpose:** Developed an expense tracking application that allows users to input daily expenses, set financial goals, and monitor their spending habits.
 - **Tech Setup:** Built using JavaScript, Express.js, and MongoDB for managing and storing user expenses and goals. Passport.js was used for authentication.
 - **Database Integration:** Implemented a NoSQL database using MongoDB with one-to-many relationships to associate users with multiple expenses and goals.
 - **User Authentication:** Configured individual user accounts using Passport.js with secure authentication and authorization to protect personal financial data.

Key Features:

- **Goal Setting:** Users can add, view, edit, and delete expense entries by category and date.
- **Goal Setting:** Allows users to set monthly/weekly budget goals and track their progress visually.
- **Visualization:** Integrated Chart.js to display dynamic graphs for spending trends and goal progress.
- **Responsive Design:** Designed a clean, responsive UI for smooth functionality on both desktop and mobile devices.

WORK EXPERIENCE

IT Support

Feb 2025 – June 2025

Barriston Law Firm

- **Network Maintenance:** Assisted in maintaining and troubleshooting the firm's local area network (LAN), ensuring consistent connectivity and minimal downtime.
- **Technical Support:** Provided support for hardware and software issues across employee workstations, resolving network and device connectivity problems promptly.
- **System Monitoring:** Monitored network performance and security, identifying potential vulnerabilities and collaborating with IT staff to implement improvements.
- **Documentation:** Created and updated technical documentation and network diagrams, supporting efficient knowledge transfer and system management.
- **Collaboration:** Worked alongside IT and administrative teams to support technological needs, contributing to smooth daily operations.
- **Continuous Learning:** Kept updated with emerging networking technologies and best practices through self-study and team knowledge-sharing sessions.

ACHEIVEMENTS

- Completed Worker Health and Safety Awareness in 4 steps
- CCNA Introduction to networking

REFERENCES

References available upon request.