Bhumika Gupta

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EDUCATION

McMaster University   Hamilton, ON
Bachelor of Applied Science in Computer Science   *Sep. 2023 – Apr. 2027*
Relevant Coursework: Data Structures and Algorithms, Computer Architecture, Software Development, Databases, Discrete Math, Linear Algebra

EXPERIENCE

Web Developer   June 2024 – Aug. 2024
ELM Tree   *Toronto, ON*
- Designed front-end pages, increasing online engagement by 15%
- Revamped website layout using graphic design principles in Figma
- Conducted research and evaluated tools to optimize website content and management

STEM Day Camp Counsellor   June 2023 – Aug. 2023
Mad Science of Toronto   *Toronto, ON*
- Led and developed customized hands-on STEM activities and lesson plans for groups of 20 children
- Identified and responded to camper behavioural issues, and efficiently report concerns

Software Developer Trainee   Aug. 2022 – Sep. 2022
Advanced Charging   *Toronto, ON*
- Shadowed software developers to gain insights into advanced coding practices and project workflows
- Built a website to analyze and visually present battery data, using HTML, CSS, and Next.js
- Presented findings and proposed optimizations to improve visualization to the software team

Web Developer   June 2021 – Aug. 2023
Prospective Medical Professionals Charity   *Remote*
- Collaborated with a team to design and build a responsive website using HTML, CSS, and Next.js
- Implemented features with Prisma and PostgreSQL for dynamic database management and retrieval
- Organized and tracked project progress via Git

PROJECTS

Tic-Tac-Toe | *HTML, CSS, JavaScript, React*
- Implemented a dynamic Tic-Tac-Toe game using React, focusing on state management and user interaction

Rule-Based Sentiment Analysis | *C*
- Built a rule-based tool for classifying text sentiment, leveraging the VADER lexicon for accurate analysis

Sudoku Solver | *C*
- Developed a backtracking algorithm to solve Sudoku puzzles, ensuring efficient and correct solutions

Blast From The Past | *Elm*
- Collaboratively prototyped a game concept aimed at assisting in diagnosing Parkinson's disease, incorporating iterative user feedback

TECHNICAL SKILLS

Languages: Python, Elm, JavaScript, C, HTML/CSS, Java
Frameworks: React, Next.js, Node.js, Flask
Developer Tools: Git, Figma, VS Code, PyCharm, Eclipse