Bijyeta Maharjan

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EDUCATION

Mount Holyoke College, South Hadley, Massachusetts, USA   **GPA: 4.00**
B.A in Computer Science and Mathematics, 2027
Relevant Coursework: Introduction to CS with Python, Calculus III, Data Structures, Discrete Mathematics, Symbolic Logic
Clubs: Girls Who Code-Program Facilitator, CSSociety-Event Manager, Google Developers Students Club, Rewriting the Code
Conferences / Fellowships: Harvard WECode '24 - Spring, Cornell Tech's Break Through Tech AI at MIT '24 -Summer

Rato Bangala School, Patan Dhoka, Lalitpur, Nepal
Cambridge International Examinations A-Levels, 2022
Subjects: Computer Science, Mathematics, Physics, Chemistry, and General Paper
Relevant Coursework: CS - Introduction to Vb.NET, Software Development Life Cycle, Computer Systems and Networks, Cybersecurity, Data Representation, Database Management (SQL and queries) and AI/ML. Math - Calculus I, Calculus II, Probability and Statistics

SKILLS

Programming languages/Frameworks: Python, Java, HTML, CSS, JavaScript, .NET, TypeScript, SQL, D3.js, Git, C/C++
Languages: Fluent Nepali, Fluent English, Fluent Hindi, Fluent Newari, Conversational Urdu

CERTIFICATIONS

Harvard's Introduction to Computer Science CS50 2022, Harvard's CS50 Python 2022, Harvard's CS50 AI with Python
Frontend Fundamentals by Pirple Academy, FreeCodeCamp's Web Development, FreeCodeCamp's Data Visualization

PROJECTS

RBS MUN Website| *HTML, CSS, JavaScript, D3.js*
- Built an interactive and functional website for the annual school MUN where participants could view relevant information, register for the program and contact the team.

Chrome Dino Game| *HTML, CSS, JavaScript*
- Developed a playable clone of the Chrome Dino game, showcasing my web development skills and understanding of game mechanics. Leveraged knowledge acquired from Harvard's CS50 projects to implement features like smooth animations, responsive UI, and efficient collision detection.

CS50 AI| *Python (libraries used: Numpy, Matplotlib, Pandas, TensorFlow, Keras)*
- Applied artificial intelligence concepts through Python projects, utilizing libraries like TensorFlow and Keras for neural network implementations.

EXPERIENCE

Computer Science Teaching Assistant| *Python*   *01/2024 - Present*
- Lead six introductory students through 1-1 mentoring meetings on assignment's code quality, and course materials to help them thrive in CS.
- Assist 20-25 students through weekly lab hours by teaching CS concepts, reviewing their code, and helping them to increase its efficiency.

LEADERSHIP EXPERIENCE

President| **Programming Club | Rato Bangala School |**   *02/2021 - 03/2022*
- Organized weekly Scratch, Python tutorial sessions for 95+ members, conducted tech workshops, coordinated inter-club events partnering with robotics and graphic design clubs, and directed teams in creating and showcasing 10+ programming projects via the club's social media platform.

Executive Member| **Robotics Club | Rato Bangala School**   *02/2021 - 03/2022*
- Conducted weekly tutorials focused on Arduino basics and facilitated tech workshops, advancing foundational understanding in microcontroller programming.

Instructor | **US Embassy's Book Bus Program**   *01/2023 - 06/2023*
- Completed specialized training in educational pedagogy, facilitating Civil Rights, Media Literacy, Climate Change, STEM, and arts workshops for 100+ students, aligning innovative teaching techniques with educational philosophies.

Storyteller and Facilitator | **Canopy Nepal**   *01/2020 - 01/2023*
- Delivered 10+ interactive sessions on gender stereotypes, environment, climate change, and mental health to over 450 students across 20 schools in Nepal. Conducted workshops nurturing writing skills of over 200 students and published diverse content on Canopy Nepal's blog, amplifying the organization's reach.