SHIVANSH SHALABH

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EDUCATION

University at Buffalo, The State University of New York   **Expected May 2026**
Bachelors of Science, Computer Science
Honors College, Presidential Honors Scholar

Delhi Public School Ruby Park, Kolkata, India   **May 2018 - May 2023**
9.4/10 CGPA, High School Diploma, Engineering Science

RELEVANT SKILLS & COURSES

Languages: Python, C++, C, JavaScript, Java, Rust
Data Management & Analytics: SQL, MongoDB
Web Development: HTML, CSS, SCSS, JavaScript, ReactJS, NodeJS, Express, Django, EJS, REST API

RELEVANT WORK EXPERIENCE

Technology Lead — Google Developers Student Club (GDSC)   **October 2023 - Present**
- Plan and host technical workshops and events, alongside a team of six core members, for GDSC members on various Google technologies, such as Android, Cloud Platform, Vertex AI, and Docker.
- Mentor and support GDSC members in technical development, help prepare for technical interviews and encourage them to contribute to the open-source community.

Researcher — Department of Computer Science & Engineering - University at Buffalo   **September 2023 - Present**
- Research with a team of seven graduate students and Prof. Ziming Zhao and follow CS3210, a course by Georgia Tech exploring OS Design with a focus on Rust's low-level capabilities and its relevance for secure OS design.
- Present regular course summaries and associated research findings to the team.

Full-stack Web Developer — Holistic Kids Foundation, CA, USA   **July 2023 - August 2023**
- Designed and architected Sinna, a MongoDB, Express, React, and NodeJS (MERN) application serving over five thousand children with special needs engaged with the organization works with.
- Collaborated with 5 developers and designers to code app's features & functionalities with Material Kit 2 React.

RELEVANT COMPUTER SCIENCE PROJECTS

TuneInAI, AI-powered Music Player: **October 2023**
- Developed an AI-driven music player with **ReactJS** to provide song recommendations based on user emotions.
- Prioritized user privacy by ensuring that facial recognition and mood detection happen on the client side.

Attentive, AI-powered video-chat app: **June 2022 - August 2022**
- Engineered a video calling app with **MongoDB**, **ExpressJS**, **ReactJS**, and **NodeJS**, using **Socket.io** and **PeerJS**.
- Incorporated facial recognition to automate regular attendance tracking in online classes with face-api.js.

Jagriti App, web platform for NGOs: **August 2021 - October 2021**
- Built a web portal for NGOs with **HTML**, **CSS**, **JavaScript**, **Django**, and **SQLite**.
- Implemented a role-based access control system to manage diverse user roles (donors, admin, donee), ensuring precise functional regulation through assigned permissions.

ZoomoBot, Automated Attendance Tracking Bot: **September 2021**
- Scripted a **Python** bot to join Zoom meetings, scrape the participants with Selenium, and mark the attendance.
- Integrated a feature to record the attendance in the Excel sheets with Openpyxl.

LEADERSHIP AND VOLUNTEERING EXPERIENCE

President, Wilkeson Hall — Residence Hall Association, University at Buffalo   **September 2023 - Present**
- Host weekly meetings formulating agendas, & efficiently delegating responsibilities, promoting a productive work environment while representing a residence population of 1000+ college students.
- Collaborate with a team of 9 council members organizing events while financing a limited yearly budget.

Youth Advisory Board Member — YuWaah at UNICEF India   **March 2022 - May 2023**
- Collaborated with a diverse team of 40 changemakers from around the nation to brainstorm and implement strategic policies and programs focused on empowering youth through upskilling initiatives.
- Advocated at national conferences organized by UNICEF, representing the millions of youth of India.
- Presented as a speaker for the inaugural episode of the #ImPactWithYouth podcast series, alongside Mr. Ashwin Yardi, CEO of Capgemini India, discussing the future of tech & changemaking through tech.
- Led impactful social media campaigns, reaching and engaging thousands of youth demographic.

HONORS AND AWARDS IN SOFTWARE ENGINEERING

Google India Code to Learn Winner, Google India, Google Cloud, ACM India Council, IISC Banglore   **January 2022**
Top 50 Changemakers of India, Futures Egalitarian Ethical Liberal Leaders (FEELL)   **April 2022**
Most Promising Innovator Award - Intel India and CBSE   **December 2021**
General Hack Winner | HackJA Spring 2021 - Junior Achievements of New Jersey 2021   **June 2021**
Competitive Programming Winner, Shaastra Junior'21 - Indian Institutes of Technology, Madras   **October 2021**
Top 10 National Coders - Code Battle 1 - Condingal India 2021   **May 2021**