

# SHIVANSH SHALABH

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## EDUCATION

<b>University at Buffalo</b> , The State University of New York Bachelors of Science, Computer Science Honors College, Presidential Honors Scholar	<b>Expected May 2026</b>
<b>Delhi Public School Ruby Park</b> , Kolkata, India 9.4/10 CGPA, High School Diploma, Engineering Science	<b>May 2018 - May 2023</b>

## RELEVANT SKILLS & COURSES

**Languages:** Python, C++, C, JavaScript, Java, Rust  
**Data Management & Analytics:** SQL, MongoDB  
**Software Development:** ReactJS, NodeJS, Express, Django, EJS, REST API, Redux, HTML, CSS, SCSS  
**Operating Systems:** Linux (Manjaro, Ubuntu, Fedora)

## RELEVANT WORK EXPERIENCE

<b>Technology Lead — Google Developers Student Club (GDSC)</b> <ul style="list-style-type: none"><li>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.</li><li>Mentor and support GDSC members in technical development, help prepare for technical interviews and encourage them to contribute to the open-source community.</li></ul>	<b>October 2023 - Present</b>
<b>Researcher — Department of Computer Science &amp; Engineering - University at Buffalo</b> <ul style="list-style-type: none"><li>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.</li><li>Present regular course summaries and associated research findings to the team.</li></ul>	<b>September 2023 - Present</b>
<b>Full-stack Web Developer — Holistic Kids Foundation, CA, USA</b> <ul style="list-style-type: none"><li>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.</li><li>Collaborated with 5 developers and designers to code app's features &amp; functionalities with Material Kit 2 React.</li></ul>	<b>July 2023 - August 2023</b>

## RELEVANT COMPUTER SCIENCE PROJECTS

<b>TuneInAI, AI-powered Music Player:</b> <ul style="list-style-type: none"><li>Developed an AI-driven music player with <b>ReactJS</b> to provide song recommendations based on user emotions.</li><li>Prioritized user privacy by ensuring that facial recognition and mood detection happen on the client side.</li></ul>	<b>October 2023</b>
<b>Attentive, AI-powered video-chat app:</b> <ul style="list-style-type: none"><li>Engineered a video calling app with <b>MongoDB, ExpressJS, ReactJS</b>, and <b>NodeJS</b>, using <b>Socket.io</b> &amp; <b>PeerJS</b>.</li><li>Incorporated facial recognition to automate regular attendance tracking in online classes with face-api.js.</li></ul>	<b>June 2022 - August 2022</b>
<b>Jagriti App, web platform for NGOs:</b> <ul style="list-style-type: none"><li>Built a web portal for NGOs with <b>HTML, CSS, JavaScript, Django</b>, and <b>SQLite</b>.</li><li>Implemented a role-based access control system to manage diverse user roles (donors, admin, donee), ensuring precise functional regulation through assigned permissions.</li></ul>	<b>August 2021 - October 2021</b>
<b>ZoomoBot, Automated Attendance Tracking Bot:</b> <ul style="list-style-type: none"><li>Scripted a <b>Python</b> bot to join Zoom meetings, scrape the participants with Selenium, and mark the attendance.</li><li>Integrated a feature to record the attendance in the Excel sheets with Openpyxl.</li></ul>	<b>September 2021</b>

## LEADERSHIP AND VOLUNTEERING EXPERIENCE

<b>President, Wilkeson Hall — Residence Hall Association, University at Buffalo</b> <ul style="list-style-type: none"><li>Host weekly meetings formulating agendas, &amp; efficiently delegating responsibilities, promoting a productive work environment while representing a residence population of 1000+ college students.</li><li>Collaborate with a team of 9 council members organizing events while financing a limited yearly budget.</li></ul>	<b>September 2023 - Present</b>
<b>Youth Advisory Board Member — YuWaah at UNICEF India</b> <ul style="list-style-type: none"><li>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.</li><li>Advocated at national conferences organized by UNICEF, representing the millions of youth of India.</li><li>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 &amp; changemaking through tech.</li><li>Led impactful social media campaigns, reaching and engaging thousands of youth demographic.</li></ul>	<b>March 2022 - May 2023</b>

## HONORS AND AWARDS IN SOFTWARE ENGINEERING

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