Krushay Bhavsar

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# EDUCATION

| **Georgia Institute of Technology,** *B.S. in Computer Science*Aug 2023 – May 2027   * **Relevant Coursework:** Introduction to Object Oriented Programming (CS 1331), Linear Algebra (MATH 1554) * **Clubs and Activities:** Startup Exchange, Venture Capital Club, CREATE-X, HexLabs, GreyHat Club, CS + Social Good, GOALSoccer, Table Tennis Association at Georgia Tech, Grand Challenges Living Learning Community   **Secaucus High School –** GPA: 4.851, *Valedictorian*Sep 2019 – Jun 2023   * **Clubs and Activities:** STEM Academy, Robotics Club, Junior State of America, Math Club, Varsity Cross Country * **Honors and Awards:** Placed 1st in the international SimpliHacks and High Tech Hacks Hackathon, 2nd place Advanced Math Mathfax Contest, 1st place Kiss Institute of Practical Robotics (KIPR) National Botball Competition |
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# EXPERIENCE

| **Jane Street Capital, Quantitative Trading Firm**  **New York, NY**  *Academy of Math and Programming Intern* Jul 2023   * Selected as one of 77 nationally for a rigorous 5-week program focused on mathematical data analysis and programming * Developed trading strategies to automate market exchanges and placed 7th in Jane Street’s Electronic Trading Competition * Explored combinatorics and number theory with IMO medalists and solved complex linguistic and game theory problems   **Cisco Systems, Technology Cooperation**  **New York, NY**  *Summer Extern* Jul 2022   * Formulated technological solutions to issues posed in the public transportation sector and presented to company executives * Acquired certifications and an integrated understanding of cybersecurity and IoT by completing various NetACAD sessions * Cultivated networking, communication, and vital team building skills while interacting with influential company executives   **Mission Mentor, Harvard Technology Startup** (acquired)  **Boston, MA**  *Senior Software Developer* Aug 2021 – Apr 2022   * Delivered critical product features on the main ReactJS site (https://missionmentor.org/) and the Java Spring Boot backend * Contributed to a cross-functional development team, worked on product backlog, and followed the agile scrum workflow * Led standup meetings, discussed the company’s next steps at team lead meetings, and helped amass 10,000+ users globally   **My Fine Mind, 501c3 NJ Nonprofit Organization**  **Secaucus, NJ**  *Co-Founder, Chief Marketing and Technology Officer* Aug 2017 – Aug 2021   * Co-founded a nonprofit aimed at providing impoverished children with school supplies critical for their educational journey * Raised $25,000+ worth of school supplies for 300+ children who cannot afford adequate schooling in undeveloped areas * Developed a website (https://www.myfinemind.org/) for donation transactions, merchandise sales, blog posts, and outreach |
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# PROJECTS

| **Tutor Connect**  [https://tutorconnect.sboe.org](https://tutorconnect.sboe.org/)  *TypeScript, JavaScript, HTML, CSS, ReactJS, Firebase* Jul 2022 – Sep 2022   * **A networking platform for students to connect with verified tutors–**adopted by the Secaucus Board of Education * The site consists of a student dashboard (for filtering, searching, and connecting with listed tutors), a tutor dashboard (for managing tutor listings and connections), and an admin dashboard (to allow invited administrators to manage user permissions, verify tutors, and track tutoring progress) **used by over 500 students and 60 verified tutors**   **Tileshift**  <https://tileshiftgame.com>  *TypeScript, JavaScript, HTML, CSS, ReactJS, Firebase* Dec 2021 – Jan 2022   * **A web-based word puzzle game** in which players must vertically align lettered tiles to spell words with limited moves * The site automatically generates a unique puzzle daily and has gained **over 125,000 hits on Reddit** with an estimated 410 players across 3 different continents and an average engagement time of 7 minutes and 40 seconds   **Signslate**  <https://github.com/krushaybhavsar/signslate>  *JavaScript, HTML, CSS, ReactJS, Python* Jun 2021   * A web application that **allows users to speak and translate English to American Sign Language (ASL) and ASL to English in real-time** via webcam or microphone input and displays the ASL translation using web-scraped videos * The site web-scrapes videos using a Flask python server and displays them on a ReactJS frontend for translating speech to ASL, and uses a pre-trained video processing model for translating ASL to speech |
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# SKILLS & INTERESTS

| **Programming Languages/Frameworks:** TypeScript, JavaScript, Java, Python, C#, ReactJS, React Native, Electron, Bootstrap **Markup Languages:** HTML, CSS, SCSS, XML **Other:** Git, PostgreSQL, Firebase, Jira, Figma, VS Code, IntelliJ IDEA, NumPy, TensorFlow, OpenCV, Flask, Arduino, Unity **Interests:** Programming, Machine Learning, Jigsaw Puzzles, Biking, Travelling, Hiking, Running, *Breaking Bad*, *The Office* |
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