**Krushay Bhavsar**

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# **EDUCATION**

| **Georgia Institute of Technology –** GPA: 4.0/4.0 **Atlanta, GA**  *B.S. in Computer Science / Concentration in Information Internetworks & Intelligence* Dec 2026   * **Relevant Coursework:** Linear Algebra, Data Structures & Algorithms, Discrete Mathematics, Objects and Design * **Clubs and Activities:** Startup Exchange, Venture Capital Club, HexLabs, GreyHat Club, CS + Social Good, GOALSoccer, Table Tennis Association at Georgia Tech, Grand Challenges Living Learning Community |
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# **SKILLS & Interests**

| **Programming/Markup Languages:** TypeScript, JavaScript, Java, Python, R, MATLAB, C#, HTML, CSS, SCSS, XML  **Frameworks/Libraries:** React.js, React Native, Express.js, Django, Flask, GraphQL, Redux, NumPy, TensorFlow, OpenCV **Tools:** PostgreSQL, Amazon Web Services (Cognito, EC2, S3, Lambda), Firebase, Git, Jira, Figma, Android Studio, Unity  **Interests:** Quantum Computing, Full-stack Engineering, Algorithms, Puzzle-solving, Travelling, Snowboarding, Hiking, Sudoku |
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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 Math Olympians to solve complex linguistic and **game theory** problems   **Cisco Systems, Technology Cooperation**  **New York, NY**  *Summer Extern* Jul 2022   * Formulated and presented technological solutions using Cisco services to issues posed in the public transportation sector * Acquired certifications and an integrated understanding of **cybersecurity** and **IoT** through various NetACAD sessions * Cultivated networking, communication, and vital team building skills while interacting with influential company executives   **Mentor Labs, Harvard Technology Startup** (acquired)  **Boston, MA**  *Senior Software Developer* Aug 2021 – Apr 2022   * Delivered critical product features on the main **React.js** site, the **Java Spring Boot** backend, and **PostgreSQL** database * Contributed to a cross-functional development team, worked on product backlog following the **Agile scrum** methodology * Led standup meetings, discussed the company’s next steps at team lead meetings, and **helped amass 10,000+ users** globally   **Accel Learning, Tutoring Center**  **Secaucus, NJ**  *Python Tutor* Nov 2020 – Aug 2021   * Instructed students on the basics of programming in **Python** and helped spark their interest in the field of computer science * Developed an easy-to-understand project-based Python curriculum designed for high school and middle school students * Taught students Python modules like **PyGame** and **Matplotlib** to create various games and complex physics simulations |
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# **PROJECTS**

| **Munch**  <https://joinmunch.app> *React Native, Redux, AWS (Cognito, EC2, S3), PostgreSQL, GraphQL, TypeScript, React.js, Firebase* Oct 2023 – *Present*   * **A social culinary hub for college students** to buy/sell homecooked meals and discover recipes created by other students * Developed a cross-platform mobile application with **cached state-management**, scalable **persistent data storage**, and a **gateway authentication** layer using **relational database systems**, a **Prisma** object relational mapper, and **AWS services**   **Tutor Connect**  [https://tutorconnect.sboe.org](https://tutorconnect.sboe.org/) *React.js, Firebase, TypeScript, JavaScript, HTML, CSS* Jul 2022 – Sep 2022   * **A cloud-based networking platform to connect students with verified tutors** within the Secaucus Board of Education * Designed and implemented a site with 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> *React.js, Firebase, TypeScript, JavaScript, HTML, CSS*  Dec 2021 – Jan 2022   * **A web-based word puzzle game** in which players must vertically align lettered tiles to spell words with limited moves * Developed a 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 per user |
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# **CERTIFICATIONS & AWARDS**

| **Certifications:** Practical Introduction to Quantum-Safe Cryptography (issued by IBM), Basics of Quantum Information (issued by IBM), Introduction to Cybersecurity (issued by Cisco), Introduction to IoT (issued by Cisco)  **Honors/Awards:** 1st Place SimpliHacks Hackathon (international), 1st Place High Tech Hacks Hackathon (international), 1st place Kiss Institute of Practical Robotics (KIPR) Botball Competition (national), Valedictorian of Secaucus High School |
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