

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

SKILLS & INTERESTS

Programming/Markup Languages: TypeScript, JavaScript, Java, Python, R, MATLAB, C#, HTML, CSS, SCSS, XML

Frameworks/Libraries: React.js, React Native, Electron, Express.js, Django, Flask, 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

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

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>

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

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