

Boston, MA
Availability: Jan – Aug 2026

Ashwin H. Iyer

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Education

Boston, MA	Northeastern University	Expected May 2028
Candidate for Bachelor of Science in Computer Science and Business Administration		GPA: 3.7
Honors/Activities: Scout, Forge		
Relevant Coursework: Discrete Structures, Introduction to Databases, Program Design & Implementation, Business Statistics, Financial Management		

Languages and Technologies

Languages: C++, Java, Python, JavaScript, TypeScript, SQL, Kotlin
Frameworks & Libraries: React, Redux, TensorFlow, Keras, Pandas, NumPy
Developer Tools: Git, IntelliJ, Eclipse, PyCharm, Xcode, PostgreSQL, Microsoft ADO

Projects

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- Her Impact Project** | *HTML, CSS, Javascript* June 2022 – Present
- Built and maintain the website for the Her Impact Project, a non-profit organization that aims to support female founders.
 - Reduced 90% of costs for the organization by utilizing Github Pages and open-source alternatives for previously paid products and services.
- Algorithmic Options Trading** | *Python, TypeScript, Pandas, NumPy* August 2024 – December 2024
- Built an algorithmic trading tool that utilized the difference between implied volatility and realized volatility to suggest option strategies.
 - Used the Black-Scholes model to calculate implied volatility and compared it against historical volatility to perform a volatility mean reversion by buying underpriced straddles.
- HomeReady Pro** | *Python, React, TypeScript, Insomnia* November 2023
- I created the backend in Python and integrated the OpenAI API. This allows users to evaluate their finances and get personalized recommendations to achieve homeownership through loan eligibility.
 - Used Kintone to organize the project workflow and was awarded the top prize in the Kintone challenge at HackUTD with over 875 participants.
- PaveGuard** | *React, Python, YOLO* October 2023
- Developed an image recognition model to categorize potholes and other road fractures, enabling a crowd-sourced approach to addressing city infrastructure needs.
 - Trained a YOLO model on road fractures and hosted the backend locally. Awarded the top prize in the AI for All hackathon hosted at the University of Texas at Dallas.

Work Experience

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| Front-End Developer Intern | Zeal IT Consultants | May 2025 – August 2025 |
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- Developed the frontend for Trinity Industries' Asset Management System using React and Next.js.
 - Increased sprint capacity for UI development by over 10 story points per sprint, accelerating the project timeline by 4 weeks, and increased the overall team delivery capacity by 300% within one release cycle.
 - Decreased page loading times by migrating from MobX to Redux in addition to implementing server-side rendering, resulting in a 94% decrease in page load times.

Interests

Hackathons, Reading, Rubik's Cube, Chess, Baseball, Blogging, Football, Working Out, Watches, Shoes