

Boston, MA  
Availability: Jan – Aug 2026

# Ashwin H. Iyer

(682) 239-9481  
iyer.ashw@northeastern.edu  
ashwiniyer.com

## Education

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

## Languages and Technologies

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

## Work Experience

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<b>Global Risk &amp; Analytics Co-op</b>	<b>Wellington Management</b>	<b>December 2025 – June 2026</b>
<ul style="list-style-type: none"><li>Global Risk &amp; Analytics Co-op at Wellington Management on the Risk &amp; Analytics team.</li></ul>		
<b>Software Engineering Intern</b>	<b>Zeal IT Consultants</b>	<b>May 2025 – August 2025</b>
<ul style="list-style-type: none"><li>Developed the frontend for Trinity Industries' Asset Management System using React and Next.js.</li><li>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.</li><li>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.</li></ul>		

## Projects

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<b>Row 2 Reach</b>   <i>Electron, JavaScript</i>	<b>September 2025 – Present</b>
<ul style="list-style-type: none"><li>Created a desktop application that allows users to find people's emails given their name and company using Electron and JavaScript.</li><li>Utilized Electron Builder and Electron Winstaller to allow for cross-platform compatibility, easy installation, and automatic updates.</li></ul>	
<b>Algorithmic Options Trading</b>   <i>Python, TypeScript, Pandas, NumPy</i>	<b>August 2024 – December 2024</b>
<ul style="list-style-type: none"><li>Built an algorithmic trading tool that utilized the difference between implied volatility and realized volatility to suggest option strategies.</li><li>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.</li></ul>	
<b>HomeReady Pro</b>   <i>Python, React, TypeScript, Insomnia</i>	<b>November 2023</b>
<ul style="list-style-type: none"><li>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.</li><li>Used Kintone to organize the project workflow and was awarded the top prize in the Kintone challenge at HackUTD with over 875 participants.</li></ul>	
<b>PaveGuard</b>   <i>React, Python, YOLO</i>	<b>October 2023</b>
<ul style="list-style-type: none"><li>Developed an image recognition model to categorize potholes and other road fractures, enabling a crowd-sourced approach to addressing city infrastructure needs.</li><li>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.</li></ul>	

## Interests

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