

# Neel Mallik

Boston, MA | (563) 340 - 8972 | [nmallik1029@gmail.com](mailto:nmallik1029@gmail.com) | Availability: July – December 2026  
[github.com/nmallik1029](https://github.com/nmallik1029) | [linkedin.com/in/neel-mallik](https://linkedin.com/in/neel-mallik)

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## Education

**Northeastern University** Candidate for B.S Computer Science, Minor in Mathematics

**Expected May 2028**

Relevant Courses: Intro. to Databases, Computer Systems, Artificial Intelligence

Major GPA: 3.5/4.0

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## Skills

**Languages** Python, SQL, Java, HTML, JS, CSS, Tailwind, TypeScript, ReactJS

**Software** Docker, VS Code, Supabase

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## Projects

**EMBER Analytics | TypeScript, Python**

**November 2025 - Present**

- Developed a stock portfolio generator web application that builds customized portfolios based on user inputs including capital, risk tolerance, interests, and prior holdings
- Performed data instrumentation to collect structured behavioral and financial signals, enabling downstream analysis
- Designed and implemented a scoring and filtering algorithm using signal analysis and feature engineering on volatility, historical returns, and financial indicators to optimize recommendations
- Built detection prototypes and scoring logic to evaluate portfolio quality
- Built full-stack architecture integrating frontend UI with backend logic, improving usability for retail investors

**VSN Analysis | HTML, CSS, JavaScript, Python**

**August 2025 - Present**

- Built a full-stack stock analysis platform enabling users to search for equities and indices using real-time financial data using yfinance API.
  - Implemented user authentication and a community feature to promote engagement and shared insights.
  - Designed and deployed backend infrastructure using Supabase for data storage and account management.
  - Improved accessibility to less familiar investors by creating a simpler and more straightforward user interface using HTML, CSS, and JavaScript.
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## Experience

**Community Support | Gankster.gg**

**October 2024 - Present**

- Resolved 600+ user support tickets for a platform serving over 150,000 users, maintaining high response efficiency and user satisfaction.
- Collaborated with developers to streamline workflow and improve overall user experience.
- Strengthened communication skills by translating technical issues into clear, actionable reports.

**Founder | Games Club @ Northeastern University (Oakland)**

**September 2024 – April 2025**

- Initiated student organization focused on community-building via video and board games.
- Recruited members via campus fairs and outreach, eventually creating a mailing list of 50+ students.

**Host | FoodAffair Bistro**

**June 2021 - August 2022**

- Managed high-volume front-of-house operations, seating and assisting 100+ guests per shift.
- Reduced door-to-table time by improving guest flow coordination during peak hours.
- Worked closely with management to adapt to staffing and operational needs in a fast-paced environment.