Ved Deshpande

Available May – December 2026

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Education

Northeastern University	**Expected May 2028**

Candidate for B.S. Computer Science, Minor in Mathematics — *GPA: 3.4/4*

Relevant Coursework: Object-Oriented Design, Real Analysis, Foundations of Data Science, Computer Systems

Technical Skills

Languages: Java, Python, C, Assembly, HTML, CSS, JavaScript, LaTeX, DrRacket

Frameworks: PostgreSQL, AWS EC2, Linux, Cloudflare, React.js, PowerShell, Git, RESTful APIs, Flask

Projects

NEU SquashHub – neusquashhub.com — *November 2025 - Present*

Full Stack Developer

- Constructed open-source web application for NEU Club Squash featuring a custom self-service attendance tracking system enabling real-time check-ins for practices and matches, reducing attendance recording error rates by **40%**
- Developed full stack with **React.js** frontend, **Node.js/Express.js** backend, and **PostgreSQL** database; configured on **Cloudflare** for DNS and security
- Deployed on **AWS EC2** with cloud email integration; optimized database queries, managing tickets and code reviews supporting **35 DAUs**

Premier League Performance Analysis — *September - December 2025*

Data Science Project

- Analyzed correlation between media coverage & team performance using regression models and data visualization
- Scraped Premier League statistics from ESPN using **Python**, **Selenium**, and **Pandas**; collected news articles via **Guardian API**

Sanguine Strategy Card Game — *October - December 2025*

- Architected two-player card game supporting human and **AI players** with minimax strategy implementation
- Developed in **Java** with **MVC architecture** and **Swing GUI**; implemented mouse/keyboard interactions and comprehensive testing using mock objects

Light-Em-All Logic Game — *January - April 2025*

- Engineered randomized puzzle generator with valid spanning tree generation and win-state detection
- Implemented in **Java** using **Kruskal's Algorithm**, **Union-Find**, and **BFS**; architected OOD framework supporting multiple grid systems

Experience

Khoury FIRST — Workshop Facilitator — **Boston, MA**

Program Alumni & Co-Facilitator — *September 2024 - Present*

- Supporting first-generation students in Khoury College through workshops and networking events focused on academic and professional development
- Co-facilitating and hosting workshops for **30+** incoming freshmen as program alumni starting Spring 2026

Northeastern Club Squash — **Boston, MA**

Vice President — *September 2024 - Present*

- Spearheading inter-club operations and managing **organizational & administrative duties** including match scheduling, inter-collegiate friendlies across the east coast
- Competed at **College Squash Association Nationals** in Philadelphia, February 2025

TalentHome Solutions LLP — **Mumbai, India**

Software Development & Social Media Marketing Intern — *June - August 2023*

- Completed software training and contributed to web development projects while optimizing **SEO strategies**
- Integrated **React.js** and **MongoDB** into web projects; revised internal database inventory management system

Extracurriculars & Interests

- Winner - International Roller Skating Championship, Hong Kong in 2016
- Winner - STEM Boxes 2023 hosted by Australian National University
- Hosted TEDxYouth@PPSIJC in 2024