# 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, Computer Systems, Foundations of Data Science, Real Analysis*

## Technical Skills

**Languages:** Java, Python, C, Assembly, Go, HTML, CSS, JavaScript, LaTeX, LISP
**Frameworks:** PostgreSQL, AWS EC2, Docker, Linux, Cloudflare, React.js, PowerShell, Git, RESTful APIs, Flask

## Projects

**Portfolio Ecosystem** – vedsite.com/projects/ssh                                                         *December 2025 - Present*

- Enhanced my multi-interface responsive web-application with SSH-accessible terminal interface
- Built web frontend with responsive **HTML/CSS/JavaScript** featuring clip-path transitions and viewport-optimized animations; deployed **Flask API** backend in **Docker** on **AWS EC2** with nginx reverse proxy integrating live data from **Spotify**, **Last.fm** & **Letterboxd APIs** via **OAuth** flows with automatic token refresh
- Created SSH portfolio in **Go** using **Bubble Tea** and **Wish** frameworks with real-time bouncing shapes; optimized rendering from **TrueColor** to **ANSI256** achieving smooth **20 FPS** animations in the terminal

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

- 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*

- 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

## Experience

| **Khoury FIRST** | **Boston, MA** |
|---|---|
| *Program Alumni & Co-Facilitator* | *September 2024 - Present* |

- Supporting first-generation students in Khoury College of Computer Sciences 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

- Won the 2016 Hong Kong International Roller Skating Championship; Won Stem Boxes 2023 hosted by Australian National University; Hosted TEDxYouth@PPSIJC in 2024