Rohan Biju

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Availability: January – June 2025

EDUCATION

Northeastern University, Boston, MA — Expected May 2027
Khoury College of Computer Sciences
Candidate for a B.S. in Computer Science — **GPA:** 3.61/4.00

Activities & Honors: Dean's List | Honor's Scholarship | Code4Community | OasisNEU | Fencing
Relevant Coursework: Algorithms & Data Structures, Object-Oriented Programming, Mathematics of Data Models, User Experience Design, Web Development

COMPUTER KNOWLEDGE

Languages: Python, Java, HTML, Typescript, JavaScript, CSS, R, SQL, Racket
Tools & Frameworks: React.js, Node.js, Bootstrap, Tailwind CSS, Figma, Framer, pandas, NumPy, SciPy

EXPERIENCE

Product Designer, **Code-4-Community**, *Boston MA* — August 2024 – Present

- Guide product team vision and execution. Collaborate with design and development teams to create wireframes, design product, communicate needs, and refine Minimum Viable Products through testing.
- Ensured product alignment with nonprofit goals, user needs, and organizational requirements.
- Ensure user accessibility and communication by partnering with Boston non-profit organizations to design and deploy user-centric digital solutions.

Full-Stack Developer, **TUNUL**, *Boston MA* — January 2024 – May 2024

- Built mapping application using Dijkstra's algorithm to navigate confusing tunnel system at Northeastern; Attracted more than 500 students on launch day through club promotion.
- Completed project on time while fostering collaborative environment after devising plan covering concept, development, and rollout processes.
- Aligned application with user needs by creating survey target, distributing across social media, and gathering 1,245 responses; results showed that nearly 75% of respondents preferred step-by-step directions over map-based system.

Biostatistics Intern, **Harvard T.H. Chan School of Public Health**, *Boston MA* — June 2022 – August 2022

- Streamlined data process and aided in identification of key genetic drivers and processes in pancreatic cancer by developing bioinformatics pipeline using Python and performing differential analysis on condition-specific networks to provide robust method to analyze and interpret vast biological data.
- Enhanced project effectiveness by building relationships with lead researchers at Biostatistics Department.
- Utilized pancreatic cancer data set (PAAD) to test new method for analyzing genomic data.

PROJECTS

Ping Flood Disaster Management Application — 2021-2023

Designed flood disaster management app that accumulates information in flood zones by centralizing communications among victims and responders. Recruited more than 250 users from India and approximately 25 users from the United States to test application.

- Prevented spread of misinformation and aided in disaster response efforts by designing flood disaster management app that accumulates information in flood zones on map using crowdsourced approach to ensure users received accurate and timely information.
- Developed the front-end of the Android application using Java and XML in Android Studio, creating an intuitive user interface and seamless user experience.
- Implemented the back-end using Firebase as a service, leveraging JavaScript and Node.js to handle real-time data synchronization and user authentication.
- Won 2021 Congressional App Challenge.