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Ria Manathkar
Software Engineer / Product Designer

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EDUCATION

Carnegie Mellon University
Bachelors in Computer Science and Human-Computer Interaction   May 2025
Notable Courses: Parallel Computing, Functional Programming, Computer Systems, Discrete Mathematics,
Computer Graphics, Computer Vision, User-Centered Research and Design

Hamilton High School
Summa Cum Laude, Gold Presidential Service Award   May 2021
Notable Courses: AP Studio Art, Linear Algebra, Engineering (CAD), Speech and Debate

TECHNICAL EXPERIENCE

Front-End Developer   **May 2022 — Present**
Human-Computer Interaction Institute at Carnegie Mellon   *Pittsburgh, PA*
- Create educational content for women-focused negotiation teaching app, called Negotium, based on research
- Design UI/UX for IOS mobile app that supports educational materials for women using Figma and Adobe Illustrator
- Develop front-end interface for onboarding, lessons, quizzes and educational content using SwiftUI and XCode
- Lead daily stand-up meetings for a team of five and oversee development, content, and design teams

Software Development Engineer Intern   **Summer 2023**
OpsHub/Front-End Engineering Team at Amazon Web Services   *Seattle, WA*
- Created a CloudTrail Event Viewer in AWS OpsHub to support activity auditing on Snow Devices using React
- Collaborated with design and development teams to create a customer-focused UI utilizing Amazon design principles
- Implemented and tested a robust feature within an Electron application used by millions of customers

Web Developer   **June 2020 — August 2021**
Beyond Resolved   *New York, NY*
- Designed multi-page website layout for non-profit combating gender inequalities using Figma and WordPress
- Developed navigational tool that organizes 50+ chapter pages based on location using HTML, CSS, and JavaScript
- Led weekly web design and development meetings for a cross-functional team of 10

Digital Design Intern   **March 2020 — May 2021**
International Rescue Committee   *Phoenix, AZ*
- Created collateral and graphic designs to advertise campaigns, like computer literacy workshops, in Adobe InDesign
- Collaborated with stakeholders to develop logos and brand packages for various departments using Adobe Illustrator

ACTIVITIES

Kode With Klossy Scholar   **Summer 2019 — Summer 2020**
Data Science and Mobile App Development Camp   *New York, NY*
- Created data visualizations detailing unsustainable practices in fashion using Tableau, SQL, Google Data Studio
- Coded mobile application addressing mental health in adolescents in a team of six using Swift, XCode, Git

Hackathon Award Winner   **Summer 2020**
EntrepreneuHER International Hackathon   *San Francisco, CA*
- Won Alpha Technical Difficulty Award for most technically advanced project out of 500+ international teams
- Prototyped collaborative study tool for students in the pandemic using Figma, Swift, and XCode.

SKILLS

Languages   C, C++, Swift, Java, SML, Python, HTML, CSS, JavaScript, TypeScript, SQL, LaTeX
Tools   React, Git, XCode, Adobe Creative Suite, Figma, Canva, Tableau, Amazon Web Services