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Ria Manathkar

Software Engineer / UX 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,
Multi-variable Calculus, Computer Vision, User-Centered Research and Design

Hamilton High School

Summa Cum Laude

May 2021

Notable Courses: AP Studio Art, 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 supports activity auditing on Snow Devices using React JS
- Collaborated with design and development teams to create a customer-focused UI utilizing Amazon design principles

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

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

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, SQL, \LaTeX

Tools

React, Electron, Git, XCode, Adobe Creative Suite, Figma, Canva, Tableau, Amazon Web Services