

# HERSH NAGPAL

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## EXPERIENCE:

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### **Wayfair, Boston, MA**

*iOS Engineer Co-Op*

*01/20 to 06/20*

- Participated in the engineering team that architected and re-designed features on the Wayfair iOS App using Swift and GraphQL, specializing in the main Product Detail Page and Shopping Cart.
- Re-designed and architected UI pages based on A/B testing and feedback on usability for 2020 app redesign.
- Collaborated with other engineering and design teams to implement Split View throughout the iOS App.
- Created Related Items Page, Frequently Bought Together Products Carousel, Image Carousel, and Additional Information menus on every product page.
- Learned the concept of MVP, writing effective user stories with clear acceptance criteria, iterative software development in Sprints, Agile/Lean methodologies, using SCRUM/Kanban frameworks.

### **Broadridge Financial Solutions, Edgewood, NY**

*Cloud Solutions Intern*

*06/19 to 08/19*

- Provisioned and managed AWS resources (EC2, IAM, S3, Cloud Formation) to assist in the company's transition to cloud infrastructure and DevOps practices.
- Created Jenkins builds to increase deployment efficiency using Python and Groovy scripts.
- Applied knowledge of finance and data analytics to increase software usability.
- Ran biweekly meetings with interns and co-workers to research and construct a presentation on digital application engagement.
- Presented solutions to increase user interest & engagement in digital applications to COO & other Executives.

## SKILLS:

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- **Languages and Frameworks:** Java, Python, Swift, JavaScript, ReactJS, AWS, HTML, CSS. Working knowledge of Ruby, Rust, C, Shell Script, SQL, GraphQL.
- **Software Applications:** Jenkins, Docker, Marvel App, Adobe Photoshop, Microsoft Office (Word, Excel, PowerPoint), IDEs (VSCode, IntelliJ, XCode), LucidChart, Trello, GitHub, GitLab, Perforce, MIRO, GSuite (Docs, Sheets, Slides).
- **Communication Skills:** College and work experience have provided extensive experience in interpersonal communication as well as group teamwork skills through years of project-based classwork and team assignments.

## EDUCATION:

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### **Rochester Institute of Technology**

*GPA: 3.3*

*Expected graduation: May 2022.*

- Pursuing BS Degree in Software Engineering, Minor in Communication and Psychology.
- **Key Coursework:** Human-Centered UX Design, Secure Software Engineering, Applied Entrepreneurship, Public Speaking, Industrial/Organizational Psychology, Cloud Software Systems, Software Architecture, Small Group Communication.

## PROJECTS:

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### **HershNagpal.com - AWS Hosted React App** [AWS, HTML, CSS, JavaScript/ReactJS]

- Designed and developed HershNagpal.com website which strengthened my experience in web languages.
- Created an AWS CodePipeline to automate the build and deployment process.
- Constructed with ReactJS framework and previously with HTML/CSS/JS stack.

### **The Movie Database - iOS Mobile App** [Swift]

- Conceptualized, designed, and developed a movie database application using TMDB API and Swift UIKit.

### **Library Management System – Java Desktop App** [Java]

- Created comprehensive management software which handles profiles, book loaning, Google Books API integration.
- Used UML Design, Sprint Retrospectives, and other practices to learn the best ways to approach a design problem.
- Applied object-oriented design patterns to increase efficiency, modularity, and maintainability.