

# NANDHANA SATHISH

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## EDUCATION

**Bachelor of Science in Computer Science | University of California, Irvine**

June 2021

**Courses Completed:** Data Structure Implementation and Analysis, Design and Analysis of Algorithms, Artificial Intelligence, Principles of Operating Systems, Object Oriented Programming, Machine Learning and Data Mining, Computer Networks, Data Management, Information Retrieval

**Activities:** Women in Information and Computer Sciences

## SKILLS

**Technical:** C++, C#, Java, Python, JavaScript, Git, Linux, Node.js, SQL, React, Angular, HTML, CSS

**Interpersonal:** Leadership, Project Management, Public Speaking, Outstanding Written and Verbal Communication, Strong Attention to Detail, User-Focused, Resourceful, Goal Oriented, Self-Motivated

## WORK EXPERIENCE

**Software Engineering and PM Intern | Microsoft Redmond, WA**

Jun - Sep 2020

- Worked full stack to build a metrics dashboard using React to consolidate analytics
- Wrote REST APIs as part of back-end server logic for a scalable application
- Acted as a Program Manager for 4 weeks, conducted interviews to document user stories, and performed requirements gathering for the software development portion of the internship

**Supply Chain Engineering Intern | Sephora San Francisco, CA**

Jun - Aug 2019

- Acted as a full stack developer, worked in all phases of Software Development Life Cycle (SDLC)
- Coded and deployed a reporting application using Angular that allows Sephora's distribution centers to analyze daily warehouse productivity on an agile, multi-disciplinary team

**Software Engineering Intern | Alameda County Oakland, CA**

Jun - Aug 2018

- Migrated 10 Java applications from IBM WebSphere to Red Hat JBoss to modernize Alameda County's websites
- Tested the functionality, accessibility, and performed quality control and analysis of Alameda County's official government websites and committed projects to production

## RESEARCH EXPERIENCE

**Undergraduate Developer and Lab Manager | INsite Lab Irvine, CA**

Oct 2018 - July 2020

- Lead a team of 8 in modifying Mycroft, an open-source voice assistant for Linux OS, to make it more accessible by dynamically modifying audio settings in Python
- Made an Android companion app to modify audio settings through both voice/touch commands
- Managed 3 sub-teams, detailed application requirements, and analyzed the functionality of the application through user focus groups to ensure a quality product

**Machine Learning Research Assistant | UCI CS Department Irvine, CA**

Feb - Jun 2019

- Utilized Neural Networks and Natural Language Processing to develop a tool that detects the presence of malicious messages in an effort to protect children from online attackers

## AWARDS

- Chancellor's Award of Distinction June 2021
- ICS Outstanding Contribution to Research Award June 2021
- Grace Hopper Celebration Scholarship Recipient Oct 2019