

Annapurna Mandalika

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Education and Skills

SEATTLE UNIVERSITY CLASS OF 2023

BACHELOR OF SCIENCE, COMPUTER SCIENCE

- Cumulative GPA: 3.8

DEAN'S LIST, PRESIDENT'S LIST

TECHNICAL SKILLS

- C++, HTML, CSS, Java, JavaScript, NodeJS, ReactJS, Electron, MongoDB, Git

COMPLETED RELEVANT COURSEWORK

- Data Structures, Programming and Problem-Solving II, Programming and Problem-Solving I.

COMPLETED COURSEWORK BY JUNE 2021

- Computer Organization, Foundations of Computer Science, Fundamentals of Databases, Computing Systems

Professional Experience

MICROSOFT CORPORATION, HIGH SCHOOL DEVELOPER INTERN | SUMMER 2019

- Built the new Chromium based Edge browser's "new tab" page with tiles containing favicons for favorite sites
- Researched alternative algorithms to determine the dominant color from favicons and use it as the background
- Built demo pages using HSL, RGB, custom binning and max pixel count algorithms to determine the best fit
- Presented the alternative algorithms, their pros and cons and my recommendation to the Edge Browser Senior Leadership
- Using the preferred HSL approach, built and integrated the "new tab" page with the new Edge source code

MICROSOFT CORPORATION, HIGH SCHOOL DEVELOPER INTERN | SUMMER 2018

- Built a cross platform, cross device web browser using Electron to run on Windows PC, Android and iOS on the Mac and iPhone
- Presented the design, architecture, code and main learnings to the Microsoft Web Platform Senior Leadership as an input to the decision to adopt the Chromium platform for the Edge browser

TELUGUBADI, TEACHER AT TELUGU LANGUAGE SCHOOL, REDMOND, WA | SEPT 2017 - JUNE 2019

- Built an iOS Telugu learning and testing app that is now used by all the students and faculty
- Designed and implemented a new system to manage computer and technical resource service requests

Personal Projects

HANG | SUMMER 2020: IN-PROGRESS

- A React application designed to find collaboration times between users using a shared calendar.

GOOGLE CHROME EXTENSION FOR E-COMMERCE SHOPPING LIST | JANUARY 2020: IN LIMITED BETA

- A Google Chrome extension to maintain a user's shopping list across various e-commerce sites such as Amazon, Target, Costco and more

Community Work and Awards

LANGUAGE

- 2016 and 2015: 1st place winner, Pacific Northwest Region, "TeluguBadi" (school of South Indian Telugu Language) competition in writing, speaking, and spelling bee.

MUSIC

- 2019 and 2018: Lead Vocalist of the Forest Ridge Chamber Choir. I led school choir in 6 performances in Italy including at the St. Peter's Basilica and 2 at the Carnegie Hall, New York City.

VOLUNTEER WORK

- Raised over 5000 dollars in a year for an all-boy's orphanage in India to provide meals, school supplies and toiletries.
- Worked with Rotary International to organize and promote service projects and humanitarian campaigns
- Trained students in leadership development and community engagement