

Annapurna Mandalika

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Education and Skills

SEATTLE UNIVERSITY CLASS OF 2023

- Cumulative GPA: 3.8

BACHELOR OF SCIENCE, COMPUTER SCIENCE

DEAN'S LIST (2019,2020)

FOREST RIDGE SCHOOL OF THE SACRED HEART

- Cumulative GPA: 3.7

TECHNICAL SKILLS

- HTML, CSS, JavaScript, C++, Java

RELEVANT COURSEWORK

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

Professional Experience

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

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

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
- Using the preferred HSL approach, built and integrated the "new tab" page with the new Edge source code
- Presented the alternative algorithms, their pros and cons and my recommendation to the Edge Browser Senior Leadership

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

Community Work and Awards

STEM

- Forest Ridge School: Leader, Hour of Code Program: Improved the enrollment of women in Tech by 25% through community programs and building partnerships with Microsoft and Google STEM
- 2017 award winner at the Forest Ridge STEM Fair. I demonstrated and explain reasons behind chemical and additive composition of water samples collected from 3 countries and helped create awareness in a small town in India about sediment and chemical pollution in the water supply and how to reduce it.
- 2016 award winner at the Forest Ridge STEM Fair. I demonstrated the most effective desalination methods using common household materials. I am working with a non-profit in India to develop my idea and deliver potable water to local villages

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.