

RHEA BHUTANI

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EDUCATION

University of Washington, Seattle, WA

Graduation Date: June 2022

Bachelor of Science, Major: Electrical Engineering & Psychology | Minor: Math (Dean's List), GPA: 3.6

Relevant Coursework (through Spring 2021): Advanced Data Structures and Algorithms, Database Systems, Signals and Systems, Design of Digital Circuits and Systems, Computer Architecture, Web Programming, Technical Foundations of Informatics

RELEVANT EXPERIENCE

Undergraduate Research Assistant, UW, Seattle, WA

March 2020 – Present

- Assisted in the implementation of an Artificial Intelligence based Lip Reader to improve speech understanding for people with hearing loss
- Designed and developed noise cancellation for a real time phoneme level speech to text conversion
- Technologies: Python, DNN

Machine Learning Intern, BoticX Labs, Delhi, India

July 2019 – September 2019

- Created an ASL to English translator with over a 95% classification accuracy, working 50 hours per week
- Redesigned and optimized the software for a humanoid built for special schools in India, as well as for an iOS application
- Technologies: Python, CNN, Image Segmentation, Swift

Web Designer, Reel Democracy, Seattle, WA

January 2019 – July 2019

- Designed an interactive website for the online political magazine, Reel Democracy
- Technologies: HTML, CSS, JavaScript, Bootstrap, React.js

TECHNICAL QUALIFICATIONS

Languages (Proficient): Python, Java, JavaScript, C++, R, Arduino, HTML & CSS

Languages (Familiar): SQL, LaTeX, PHP, C, Swift, Kotlin

Skills: DNN, CNN, TensorFlow, Keras, PyTorch, Node.js, React.js, jQuery, Bootstrap, JSON, AJAX

ACTIVITIES & LEADERSHIP

Chatbot for At-Risk Suicidal People, Facebook Hackathon: AI, Seattle, WA

May 2020 – June 2020

- Built a chatbot for people exhibiting suicide-risk behavioral patterns (Technologies: NLP, Wit.ai)

Founder & Logistics Head, Junoon @ UW, Seattle, WA

October 2019 – Present

- Leading a 15+ member dance team competing in the Desi Dance Network Legends
- Overseeing the logistics of the team, including evaluating budgets and expenditures

Student Lead, Rick's Café UW, Seattle, WA

September 2018 – March 2019

- Volunteered as a helper at Rick's Café, a student-run ice cream shop inside the residence halls at the University of Washington, Seattle

Volunteer, National Association for the Blind, Delhi, India

January 2017 – May 2018

- Translated the Trinity Grade 1 Vocals book to Braille
- Taught and coached visually impaired students for the Trinity Grade 1 Vocals examination

ACHIEVEMENTS

2019 International Member, Mensa International

2017 National Times Spark Scholar

2017-18 School Vice President, Robotics Club