

# rhea bhutani

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rheabhutani.github.io | Seattle, Washington

## EDUCATION

### UNIVERSITY OF WASHINGTON, SEATTLE

**BS IN ELECTRICAL ENGINEERING**  
June 2022 | Seattle, WA  
College of Engineering  
GPA: 3.6 / 4.0  
Dean's List Scholar

### DPS DWARKA

March 2018 | Delhi, India  
Scholar Badge Awardee

## LINKS

Github:// [rheabhutani](#)  
LinkedIn:// [rheabhutani](#)

## COURSEWORK

Signals and Systems  
Computer Programming I & II  
Advanced Data Structures and Algorithms  
Technical Foundations of Informatics  
Database Systems  
Full Stack Development  
Advanced Multivariable Calculus  
Linear Analysis  
Probability

## SKILLS

Deep Learning • CNN • TensorFlow  
Keras • PyTorch • Pandas • NodeJS  
ReactJS • Bootstrap • jQuery • JSON  
AJAX

## SOFTWARE

### PROGRAMMING

Over 5000 lines:  
Python • JavaScript • Java • HTML & CSS  
C++ • Arduino • R  
Over 1000 lines:  
SQL •  $\text{\LaTeX}$  • PHP • C  
Familiar:  
iOS • Android

### DESIGNING

Photoshop • CorelDRAW • AutoCAD  
SOLIDWORKS • After Effects • FL Studio

## PROJECTS

### AI BASED LIP READER | RESEARCH

March 2020 - Present | Seattle, WA

Helped with the implementation of an Artificial Intelligence based Lip Reader to improve speech understanding for those with hearing loss.

### CHATBOT FOR AT-RISK SUICIDAL PEOPLE | FACEBOOK HACKATHON: AI 2020

May 2020 - June 2020 | Seattle, WA

Built a chatbot for people exhibiting suicide-risk behavioural patterns with Natural Language Processing and Wit.ai.

### AI BASED ASL TRANSLATOR | DUBHACKS 2019

October 2019 | Seattle, WA

Built an ASL to English translator in Python and Swift using Machine Learning and Image Segmentation.

## EXPERIENCE

### BOTICX LABS | MACHINE LEARNING INTERN

July 2019 - September 2019 | Delhi, India

Created an ASL to English translator in Python using Machine Learning and Image Segmentation, which is currently being used in a humanoid for special schools.

### REEL DEMOCRACY | WEB DESIGNER

January 2019 - July 2019 | Seattle, WA

Designed an interactive website for the online political magazine Reel Democracy using ReactJS and Bootstrap.

## VOLUNTEER EXPERIENCE

### RICK'S CAFE | STUDENT LEAD

September 2018 - March 2019 | Seattle, WA

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

### NATIONAL ASSOCIATION FOR THE BLIND

January 2017 - May 2018 | Delhi, India

Converted the Trinity Grade 1 book to Braille, and prepared visually impaired students for the Trinity Grade 1 Vocals exam.

## ACHIEVEMENTS

2019	University	Founder, UW Junoon
2018	International	Member, Mensa International
2017	National	Times Spark Scholar
2017-18	School	Vice President, Robotics Club