

# Rishi Keshav PRADEEP

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## EDUCATION

### UNIVERSITY OF MARYLAND, COLLEGE-PARK

BS in Computer Science

2021 - 2025

- › Presidential Scholarship
- › FIRE Research program.
- › Object-oriented Programming II
- › Applied Probability and Statistics I

### LYNBROOK HIGH SCHOOL

High School Degree

2017 - 2021

- › Head of Front-End/Back-End @ WebDev Club
- › Member @ Machine Learning Club
- › Vice-President @ Lynbrook Me to We



## EXPERIENCE

### CHAOS GENIUS

Software Engineer Intern

Jun 2021 - Aug 2021

- › Worked on algorithms for automated Root Cause Analysis and Anomaly Detection for time series data.
- › Engineered a KPI validation feature, developed an anomaly severity scoring algorithm, created the anomaly detection visualization, and performed extensive algorithm and product testing and bug fixes.
- › Wrote a blog post, "[A Brief History of Anomaly Detection](#)" and generated [documentation](#) for RCA and Anomaly Detection.

### DSAPPS

Software Engineer Intern

Aug 2020 - Sept 2020

- › Worked on a project in forecasting resource requirements for tasks captured in Salesforce based on historical patterns.
- › Performed text processing/cleaning, handled mixed data, experimented with k-means clustering for data analysis.

### ELEVATE THE FUTURE

Director of Project Falcon

Jul 2019 - Present

- › Created and directed [Project Falcon](#). Lead the team to build websites for local businesses amidst the COVID pandemic while simultaneously teaching WebDev skills to youth.



## PROJECTS

**YouTube Mentions** - Python, Svelte, NLP, Song Recognition, Named Entity Recognition, Web Scraping

[Source Code](#) | [Demo](#)

- › 2nd Place Media Track @ PickHacks 2021
- › Uses Named Entity Recognition to generate cards with relevant context for a given YouTube video.

**Autoscriber** - Python, Vue, MySQL, Speech Recognition, NLP

[Source Code](#)

- › PWA for automatic online meeting notes using speech recognition and NLP.

**Best Comeback** - Python, Facial detection, Facial landmarks, Image Manipulation

[Source Code](#) | [Demo](#)

- › Uses facial landmarks to automatically generate a "Deal With It" gif from an input image.

**Path Visualizer** - Svelte, JS, Graphs, Graph Search, Algorithms

[Source Code](#) | [Website](#)

- › A web app for visualizing pathfinding algorithms built in Svelte. View [here](#)!
- › Algorithms : A\* search, Dijkstra's; Grid Types : Recursive Division Maze, Simple Random Grid, Blank Grid

**Algorithms** - Python, Algorithms, Data Structures

[Source Code](#)

- › A repository full of various algorithms and data structures that I find interesting.



## SKILLS

Languages

Python, JavaScript, Java, SQL, HTML, CSS

Applications/Technologies

Git, REST, Websockets, MySQL, Flask, React, Svelte