

# Rishi Keshav PRADEEP

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## EDUCATION & CERTIFICATIONS

### UNIVERSITY OF MARYLAND, COLLEGE PARK

#### BS in Computer Science and Statistics

Aug 2021 - Dec 2024

- > Fellow at [StartupShell](#)
- > Tutor for STAT 100 (Elem. Stats and Prob.) & MATH 140/141 (Calc)
- > FIRE Research program - [Capital One Machine Learning Group](#)
- > Presidential Scholarship
- > Dean's List : Fall 2021
- > GPA : 4.00
- > Select Coursework :
  - > CMSC 216 : Intro to Computer Systems
  - > CMSC 132 : Object-Oriented Programming II

### LYNBROOK HIGH SCHOOL

#### High School Degree

2017 - 2021

- > Backend/Frontend Lead @ [Lynbrook WebDev](#)
- > Member @ Machine Learning Club
- > Vice-President @ Lynbrook Me to We
- > GPA : 3.88

### ALGORITHMS SPECIALIZATION

COURSERA CERTIFICATE

Stanford University on Coursera



## EXPERIENCE

### CHAOS GENIUS (YC '20)

#### Software Engineer Intern

Jun 2021 - Aug 2021

- > Worked on algorithms for Root Cause Analysis and Anomaly Detection for time series data.
- > Engineered a KPI validation feature, and developed an anomaly severity scoring algorithm.
- > Authored a blog post, "[A Brief History of Anomaly Detection](#)".

### DSAPPS

#### Software Engineer Intern

Jun 2020 - Sept 2020

- > Worked on forecasting resource requirements for tasks based on historical patterns.
- > Experimented with k-means clustering for data analysis.

### ELEVATE THE FUTURE

#### Director of Project Falcon

Jul 2019 - Feb 2021

- > Founded and directed Project Falcon to develop websites for local businesses amidst the pandemic.
- > Conducted technical workshops for youth and led team of 20+ in website development for businesses.



## SELECT PROJECTS

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

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

- > 2nd Place Media Track @ PickHacks 2021 (Missouri University of Science and Technology)
- > Uses Named Entity Recognition to generate cards with relevant context for a given YouTube video.

#### 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; Select Grid Types : Recursive Division Maze

#### 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.

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

[Source Code](#)

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



## SKILLS

#### Languages

Python, C, Java, TypeScript, JavaScript, SQL, R

#### Tools & Technologies

Git, REST, NoSQL, Node, Express, Websockets, Pandas, Seaborn, Tensorflow, React, Svelte,  $\LaTeX$