

# Rishi Keshav PRADEEP

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## EDUCATION & CERTIFICATIONS

### UNIVERSITY OF MARYLAND, COLLEGE PARK

BS in Computer Science and Statistics

2021 - 2025

- > Tutor for STAT 100 (Elem. Stats and Prob.) & MATH 140 (Calc 1)
- > FIRE Research program - [Capital One Machine Learning Group](#)
- > Presidential Scholarship
- > Dean's List
- > GPA : 4.00
- > Select Coursework :
  - > CMSC 132 : Object-oriented Programming II
  - > STAT 400 : Applied Probability and Statistics I

### ALGORITHMS SPECIALIZATION

Stanford University on Coursera

[COURSERA CERTIFICATE](#)



## 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, and 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

Jun 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 - Feb 2021

- > Created and directed Project Falcon, which developed websites for local businesses amidst the COVID pandemic.
- > Trained youth in WebDev skills and led the team in website development and communication with businesses.



## PROJECTS

**YouTube Mentions** - *Python, Svelte, NLP, Song Recognition, 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.

**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, Java, TypeScript, JavaScript, SQL, R, HTML, CSS

Applications/Technologies

Git, REST, Websockets, MySQL, Node.js, Express.js, Flask, React, Svelte