

# Rishi Keshav PRADEEP

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## EDUCATION & CERTIFICATIONS

### UNIVERSITY OF MARYLAND, COLLEGE PARK

BS in Computer Science - Double Minor in General Business & Tech Entrepreneurship

2021 - 2024

- > Dean's List : Fall 2021, Spring 2022
- > Fellow at [StartupShell](#)
- > FIRE Research program - [Capital One Machine Learning Group](#)
- > Presidential Scholarship
- > GPA : 3.963
- > Select Coursework :
  - > CMSC 351 : Algorithms
  - > CMSC 216 : Intro to Computer Systems

### ALGORITHMS SPECIALIZATION

Stanford University on Coursera

[COURSERA CERTIFICATE](#)



## EXPERIENCE

### UNIVERSITY OF MARYLAND, COLLEGE PARK

Teaching Assistant - CMSC 216 (Intro to Computer Systems)

Aug 2022 - Present

### CURIE AI

Software Engineer Intern

Jun - Aug 2022

- > Developed backend microservices for integrating EHR systems with Curie services and deployed with Kubernetes.
- > Created a wrapper API and a data transformer, enabling Curie to retrieve data on patients' medical records.

### CHAOS GENIUS (YC '20)

Software Engineer Intern

Jun - 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 - 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 30+ local businesses amidst the pandemic.
- > Conducted technical workshops for youth and led team of 20+ in website development for businesses.



## SELECT PROJECTS

YouTube Mentions - Fullstack Dev, 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

Autoscriber - Fullstack Dev, 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, MIPS, HTML, CSS

Tools & Technologies

Express, Docker, React, NoSQL, Git, REST, Node, Websockets, Kubernetes, Tensorflow, Svelte,  $\LaTeX$