# 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.
- Chaos Genius repos are open-sourced on GitHub

### DSAPPS
Software Engineer Intern                                                        *Aug 2020 - Sept 2020*
- Worked on a project in forecasting resource requirements for tasks captured in Salesforce based on historical data and patterns from other tasks.
- 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 a team of officers & volunteers to build numerous 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
- This application analyzes the given YouTube video, retrieves quick snippets of relevant information about people, songs, games, etc. mentioned in the video, and displays them side-by-side.

**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

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|---|---|
| Languages | Python, JavaScript, Java, SQL, HTML, CSS |
| Applications/Technologies | Git, REST, Websockets, MySQL, Flask, React, Svelte |