Rishi Keshav Pradeep

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🎓 EDUCATION & CERTIFICATIONS

UNIVERSITY OF MARYLAND, COLLEGE PARK
BS in Computer Science and Math(Stats) *2021 - 2025*
- Tutor for STAT 100 (Elem. Stats and Prob.) & MATH 140 (Calc 1)
- FIRE Research program
- Presidential Scholarship
- Select Coursework :
  - CMSC 132 : Object-oriented Programming II
  - STAT 400 : Applied Probability and Statistics I

LYNBROOK HIGH SCHOOL
High School Degree *2017 - 2021*
- Head of Front-End/Back-End @ Lynbrook WebDev
- Member @ Machine Learning Club
- Vice-President @ Lynbrook Me to We
- GPA : 3.88

ALGORITHMS SPECIALIZATION
Stanford University **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
- 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, JavaScript, SQL, R, HTML, CSS
Applications/Technologies	Git, REST, Websockets, MySQL, Flask, React, Svelte