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
- Intramural Basketball
- 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

Stanford University on Coursera Coursera Certificate

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.

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