Rishi Keshav Pradeep

LinkedIn: linkedin.com/in/keshprad
Github: github.com/keshprad

Email: keshprad@umd.edu
Mobile: 408-642-0988
Portfolio: keshprad.ml

Education

- **University of Maryland, College Park**
  Bachelor of Science - Computer Science, Minor in Business; GPA: 3.963 *2021 - 2024*
  - **FIRE Research:** Capital One Machine Learning Group
  - **Fellow at StartupShell**
  - **Dean's List:** Fall 2021, Spring 2022
  - **Presidential Scholarship Recipient**

  Courses: *Algorithms, Intro to Computer Systems, Object-Oriented Programming, Organization of Programming Languages*

Experience

- **University of Maryland, College Park** College Park, Maryland
  Teaching Assistant: Intro to Computer Systems (CMSC 216) *Aug 2022 - Present*
  - Teaching introductory systems concepts such as C, pointers, dynamic memory, memory management, Assembly
  - Engaged directly with students during my office hours, graded projects and exams in a class of 800+ students
- **Curie AI** Menlo Park, California
  Software Engineer Intern *Jun - Aug 2022*
  - Implemented backend microservices for integrating EHR systems with Curie services and deployed with Kubernetes.
  - Delivered on a wrapper API and a data transformer, enabling Curie to retrieve data on patients' medical records.
- **Chaos Genius (YC '20)** Remote
  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** Remote
  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** San Jose, California
  Director of Project Falcon *Jul 2019 - Feb 2021*
  - Founded and spearheaded 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.

Projects

- **YouTube Mentions - (Fullstack Dev, Python, Svelte, NLP, Named Entity Recognition, Web Scraping)**
  - 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.
  - Source Code / Demo
- **Path Visualizer - (Svelte, JS, Graphs, Graph Search, Algorithms)**
  - A web app for visualizing pathfinding algorithms built in Svelte.
  - Algorithms: A* search, Dijkstra's; Grid Types: Recursive Division Maze, Random Grid
  - Source Code / Website
- **Autoscriber - (Fullstack Dev, Python, Vue, MySQL, Speech Recognition, NLP)**
  - PWA for automatic online meeting notes using speech recognition and NLP.
  - Source Code

Skills

- **Languages** Python, C, Java, TypeScript, JavaScript, SQL, R, MIPS, HTML, CSS
- **Frameworks** Express, React, NodeJS, Django, Flask, Svelte
- **Tools** Kubernetes, Docker, GIT, NoSQL, PostgreSQL, MySQL, SQLite, MongoDB
- **Platforms** Linux, Web, Firebase, AWS
- **Soft Skills** Leadership, Writing, Teaching, Time Management, Public Speaking

Honors and Awards

- 2nd Place Media Track @ PickHacks 2021