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.

- **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

- **Autoscriber - (Fullstack Dev, Python, Vue, MySQL, Speech Recognition, NLP)**
    - PWA for automatic online meeting notes using speech recognition and NLP.

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