Karthik Sabhanayakam

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EDUCATION

Basis Independent Silicon Valley   *Class of 2025*
San Jose, CA   3.97 GPA

Relevant Coursework: AP Computer Science Principles [5], AP Calculus AB [5], AP Physics 1 [4],
AP Macroeconomics [5], AP Microeconomics [5], AP Calculus BC [5], AP Physics 2 [5], AP Statistics [5]

WORK EXPERIENCE

Software Engineer   *May 2023 – Present*
Rate My AP's   Remote

- Designed and developed a scalable back-end with NodeJS that efficiently handles user requests for voting and authentication with Firebase
- Utilized a stack of a NodeJS back-end with Firebase connecting to a NextJS front-end
- Handled the voting software that made sure that logged-in users could only vote once for each of their APs
- Connected course resources and interviews with the Google Forms API so that people who took courses could provide feedback and advice
- Used technologies like Vercel and GitHub to deploy the app to the web

PROJECTS

Star Gazer | JavaScript, NodeJS, DiscordJS, ML ⌂

- Developed a platform using NextJS with a NodeJS back-end
- Serves a Rest API that both fetches the week's images from NASA and emails them using the Gmail SMTP Relay
- Utilizes Firebase to connect new users to the email list

Classic Rock Radio | NodeJS, React, Express ⌂

- Developed a full-stack web application using NodeJS serving a REST API with React as the front-end
- Helps out people who enjoy classic rock find radio stations near them
- Utilized web scrapping, scraps around 50 pages of Wikipedia articles to find FCC-registered radio stations

CERTIFICATIONS

Pandas | Kaggle   *July 2023*
Intro to Machine Learning | Kaggle   *July 2023*
Python for Data Science | Sololearn   *September 2022*

SKILLS

Languages: Java, Javascript, Python
Frameworks: ExpressJS, NextJS, React
Databases: MongoDB, Firebase