Ishan Kamat

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EDUCATION

Rice University - *Houston, TX*   **Graduation May 2023**
- **Bachelor of Science   Computer Science**   **Overall GPA 4.0/4.0**
- **Minors** Financial Computation and Modeling, Entrepreneurship

EXPERIENCE

ServiceNow - Software Engineering Intern - *Remote*   **05/2021 - 08/2021**
- Created user interface components using JS and HTML/CSS to display indicators of digital asset performance
- Developed data collection scripts and endpoints for the ServiceNow platform backend using JS and Java
- Implemented necessary features for v1.0 of the Digital Portfolio Management product for enterprise customers
- Committed 14,000+ lines of code through Git to the project's main branch over 10 Agile user stories
- Collaborated with full-time engineers, designers, and managers to build solutions for product-scale issues

IBM - Data Science Intern - *Remote*   **06/2020 - 08/2020**
- Built comprehensive models to quantify trends in large datasets (~4 million entries) using Watson APIs
- Developed sentiment analysis/NLP routines with Python/NLTK to process user-generated content
- Worked under the supervision and mentorship of senior engineering team members
- Summarized findings in a cumulative presentation to managers and a data-centric final report

The University of Texas at Austin - Web Developer - *Austin, TX*   **01/2020 - 08/2020**
- Developed tools to automate WordPress backend maintenance tasks using Python in a Linux environment
- Created web apps for institutional research projects with JS/jQuery, Vue.js, React, and HTML/CSS
- Worked within fixed deadlines and accomplished responsibilities ahead of schedule
- Authored and deployed live production codebases to run on University infrastructure

St. John's School Community Service Office - App Developer - *Houston, TX*   **05/2018 - 04/2019**
- Designed a Dart/Flutter app for iOS and Android to promote student community service involvement
- Engineered and maintained a central SQL database using Python/Flask to be deployed on AWS backend

PROJECTS

SnackStocker - Team Leader, Computer Vision Specialist
- Organized and led a team to develop a system to track snack availability throughout an office space
- Wrote an IoT application using Python/OpenCV to detect/recognize multiple types of snacks from a video feed
- Created a mobile app using React Native to interface with a Firebase backend and show live snack stocks
- Won Top 8 in the ServiceNow Hackathon along with a generous prize

CalenCompete - Lead Developer
- Built a web application which enabled users to track their exercise activity and compete with others
- Developed a frontend interface using JS/jQuery and HTML/CSS to display group performance visualizations
- Wrote a backend server using Python/Flask to interface with a SQL database and compute metrics from data

ACTIVITIES

Rice Honor Council - College Representative   **02/2021 - Present**
Rice Effective Altruism - Fellow   **09/2020 - Present**
Rice CS Club - Member   **08/2020 - Present**

HONORS & AWARDS

- President's Honor Roll
- ServiceNow Hackathon Top 8
- Engineering Excellence Award
- Cum Laude Society
- Eagle Scout

SKILLS

Languages Python, C, C++, Java, JS/jQuery, Dart, HTML/CSS
Frameworks Flask, Vue.js, React, Flutter, OpenCV, NLTK, NumPy
Databases SQL, Peewee, MariaDB, KeyStore
Platforms Linux, Android, Windows, iOS
Tools Git, IntelliJ IDEA, Vim, Maven, Valgrind

COURSEWORK

- Reasoning about Algorithms
- Program Design
- Computer Engineering
- Computational Thinking
- Quantitative Financial Analytics