

# Rajkumar Sukumar

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## EDUCATION

### Arizona State University

Master of Science in Computer Science | GPA : 3.95/4.0

Aug 2022 – Dec 2023

Tempe, AZ

### Amrita Vishwa Vidyapeetham

Bachelor of Technology in Computer Science and Engineering | GPA : 8.57/10.0

Jul 2017 – Jun 2021

Coimbatore, India

## EXPERIENCE

### Cruise - Self Driving Cars

Software Engineer Intern | Tech : GoLang, Docker, Kubernetes, GCP

May 2023 – Aug 2023

Bellevue, WA

- Developed a self-service snapshot restoration feature for virtual machines used by Cruise engineers, effectively minimizing developer hours spent on a single restoration by an impressive **80%**.

### CodeChef (Unacademy Group)

Application Engineer | Tech : PHP, Python, ReactJS, MySQL, SaltStack, AWS

Jul 2021 – Jul 2022

Bangalore, India

- Engineered scalable real-time notifications using websockets in nginx by leveraging the 'nchan' module, while also migrating a legacy contest management portal from EmberJS to ReactJS.
- Crafted a PHP CLI tool integrated with Nginx for streamlined site management, and implemented DevOps practices including GitHub action pipelines for release automation and security enhancements.

### Anokha (Amrita University's Tech-fest)

Head of the Software Team | Tech: Laravel, MySQL, NuxtJS, Angular8, CentOS

Nov 2019 – Feb 2020

Coimbatore, India

- Led a team of 10 in developing and delivering a suite of impactful applications that played a crucial role in organizing the tech-fest, resulting in a seamless and engaging experience for participants and attendees.

### PSG Software Technologies

Mobile App Developer Intern | Tech : NodeJS, NativeScript

May 2019 – Jun 2019

Coimbatore, India

- Designed and deployed a cross-platform mobile application to manage health profiles of families in community areas of PSG Urban Health Centre, promoting efficient healthcare management.

## PROJECTS

### Notify Abroad | Android, Java | [GitHub Link](#)

- Launched an innovative Android app enabling real-time relay of SMS/calls between devices, leveraging the power of Telegram messaging platform, generating over **700,000** impressions on LinkedIn.

### Flowgramming | HTML, Bootstrap, jQuery, JointJS | [Application Link](#)

- Built a progressive web application as an efficient alternative to Flowgorithm, empowering users to seamlessly design & execute flowcharts while encompassing essential programming constructs like user-defined functions & 2D arrays.

### Amrita Repository | Android, SQLite, Web Scraping, PHP, Python | [GitHub Link](#)

- Engineered an Android app & Telegram bot providing valuable resources such as old question papers & timetables to peers, resulting in over **10K** downloads in the Play Store and garnering appreciation from the Dean of Engineering.

### Amrita Wallet | Android, NodeJS, MongoDB, VueJS

- Implemented cashless payment system university-wide, replacing cash with rechargeable student ID cards, resulting in nearly **5000** active cards.

## TECHNICAL SKILLS

**Areas of Interest:** Full Stack Development, Cyber Security

**Languages and Frameworks:** C++, PHP, Java, JavaScript, GoLang, SQL, Python, Android, Node.js, Angular, ReactJS

**Tools and Technologies:** AWS, Docker, Kubernetes, Apache2, Nginx, Jenkins, SaltStack, Neo4j, Kafka

## AWARDS / EXTRACURRICULAR

- Empowering students as a tutor at McClintock High School in Tempe, AZ, as part of the AZ-R3 program by Access ASU.
- Recognized with the prestigious **Outstanding Project Award** for Flowgramming by Amrita School of Engineering.
- Worked as a Teaching Assistant at Internshala, catalyzing student learning through support & content enhancement.
- Achieved a remarkable **2nd** position out of 30 teams in a competitive polyglot coding contest at Anokha Tech-fest 2020.
- Acknowledged for reporting critical security vulnerabilities, earning bug bounties from multiple organizations.