

# Rajkumar Sukumar

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## TECHNICAL SKILLS

**Areas of Interest:** Full Stack Development, Mobile Apps, Distributed Systems, Cloud Computing, Cyber Security  
**Languages and Frameworks:** C++ , PHP, Java, JavaScript, Go, Protobuf, SQL, Python, Android, Node.js, ReactJS  
**Tools and Technologies:** AWS, Docker, Kubernetes, Apache2, Nginx, Jenkins, SaltStack, Terraform, Neo4j, Kafka

## EXPERIENCE

### Hewlett Packard Enterprise

Feb 2024 – Nov 2024

Software Engineer II | Tech : GoLang, React, Kubernetes, Terraform

Seattle, WA

- Developed and optimized front-end and back-end features for SaaS solutions, including role-based access controls, Kubernetes integration, and automated TLS renewals, improving platform reliability and user experience.
- Led infrastructure enhancements by securing EKS deployments, implementing cloud quotas, and improving CI/CD pipelines, reducing deployment times and ensuring smoother cloud operations.

### Cruise - Self Driving Cars

May 2023 – Aug 2023

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

Bellevue, WA

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

### CodeChef (Unacademy Group)

May 2020 – Jul 2022

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

Bangalore, India

- Streamlined site management by crafting a CLI tool integrated with Nginx, and implemented DevOps practices for release automation, resulting in a **25%** decrease in deployment errors and a **20%** increase in deployment frequency.
- Built a scalable real-time notification system end-to-end using websockets in nginx by leveraging the 'nchan' module, resulting in a **50%** increase in real-time notification delivery speed.

### PSG Software Technologies

May 2019 – Jun 2019

Mobile App Developer Intern | Tech : NodeJS, NativeScript

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 | <https://github.com/rajkumaar23/notify-abroad>

- 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 | <https://github.com/rajkumaar23/flowgramming>

- 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.
- Published a short paper titled "Empowering Novice Programmers with Visual Problem Solving Tools" in the Proceedings of the 16th Annual **ACM India Compute Conference** in 2023.

**Amrita Repository** | Android, SQLite, Web Scraping, PHP, Python | <https://github.com/rajkumaar23/amrita-repository>

- 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.

## EDUCATION

### Master of Science in Computer Science (With Distinction)

Dec 2023

Arizona State University | Tempe, AZ, USA

GPA : 4.0/4.0

### Bachelor of Technology in Computer Science

Jun 2021

Amrita Vishwa Vidyapeetham | Coimbatore, TN, India

GPA : 8.6/10

## AWARDS / EXTRACURRICULAR

- Provided tutoring for students at McClintock High School in Tempe, AZ as part of Access ASU's outreach program.
- Received the prestigious **Outstanding Project Award** for Flowgramming from Amrita School of Engineering.
- Led a team of 10 in developing and delivering a suite of impactful applications that played a crucial role in organizing Amrita University's tech-fest (Anokha 2020), resulting in an engaging experience for **10,000+** participants and attendees.
- Worked as a Teaching Assistant at Internshala, catalyzing student learning through support and 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.