Rajkumar Sukumar

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EDUCATION

Arizona State University	**August 2022 – May 2024**
Master of Science in Computer Science	GPA : 3.94/4.0	Tempe, AZ

Amrita Vishwa Vidyapeetham	**July 2017 – June 2021**
Bachelor of Technology in Computer Science and Engineering	GPA : 8.57/10.0	Coimbatore, India

EXPERIENCE

Cruise LLC — **May 2023 – August 2023**
Software Engineer Intern | Tech : GoLang, Docker, Kubernetes, GCP — Bellevue, WA

CodeChef (Unacademy Group) — **May 2020 – July 2022**
Application Engineer (Prev. Intern) | Tech : PHP, Python, ReactJS, MySQL, SaltStack, AWS — Bangalore, India
- **Notifications** - Leveraged the 'nchan' module for nginx to build a scalable and real-time notifications using websockets.
- **Contest Management** - Migrated the entire contest/problem management portal written in legacy EmberJS to ReactJS.
- **Site Manager** - Built a CLI tool using PHP and integrated it with Nginx to manage the sites during maintenance.
- **DevOps** - Integrated GitHub action pipelines for tasks including release-notes generation, code linting, and unit testing.
- **Security** - Mitigated various security vulnerabilities ranging from XSS to SQL injections.

Internshala — **June 2018 – May 2020**
Teaching Assistant | Tech: C, C++ — Remote
- Demystified technical queries of students, evaluated assignments, and upgraded the training content.

Anokha (Amrita University's Tech-fest) — **November 2019 – February 2020**
Head of the Software Team | Tech: Laravel, MySQL, NuxtJS, Angular8, CentOS — Coimbatore, India
- Managed a **team of 10** in building and delivering a suite of applications essential for organizing the tech-fest.

PSG Software Technologies — **May 2019 – June 2019**
Mobile App Developer Intern | Tech : NodeJS, NativeScript — Coimbatore, India
- Devised and delivered a cross-platform mobile application using NativeScript, for maintaining the health profiles of families in community areas of PSG Urban Health Centre.

PROJECTS

Flowgramming | HTML, Bootstrap, jQuery, JointJS | Application Link
- Built a progressive web application, as an efficient alternative to Flowgorithm, to design and execute flowcharts, with the support for all basic programming constructs, including but not limited to user-defined functions and 2D arrays.

Notify Abroad | Android, Java | GitHub Link
- Developed an Android app to automatically relay SMS/calls in real-time from one mobile device to another via Telegram.

Amrita Repository | Android, SQLite, Web Scraping, PHP, Python | GitHub Link
- Engineered an android application and a telegram bot for my peers to avail old question papers, timetables, etc., which has received over **10,000** downloads in the Google Play Store, with an average of **4000** monthly active users.
- Received a letter of appreciation from the Dean of Engineering for making students' academic lives easier.

Amrita Wallet | Android, NodeJS, MongoDB, VueJS
- Standardized payments across the university including cafeterias, by replacing cash with rechargeable student ID cards, with nearly **5000** active cards as of date.
- Developed an android app for scanning cards and making payments, with the help of a centralized NodeJS server on top of a MongoDB cluster added with an admin portal built using VueJS for monitoring.

TECHNICAL SKILLS

Areas of Interest: Full Stack Development, Cyber Security
Languages and Frameworks: C++, PHP, Java, JavaScript, SQL, Python, Android, Node.js, Angular, ReactJS, Laravel
Tools and Technologies: AWS, Docker, Apache2, Nginx, Jenkins, SaltStack

AWARDS / EXTRACURRICULAR

- Working as a Tutor at McClintock High School in Tempe, AZ as part of the AZ-R3 program by Access ASU.
- Received the prestigious **Outstanding Project Award** for Flowgramming from Amrita School of Engineering.
- Secured 2nd **position** out of 30 teams in a polyglot coding contest, during Anokha Tech-fest 2020.
- Received bug bounties from various organisations for reporting critical security vulnerabilities.