

SAIPAVANESH GUGGILAPU

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EDUCATION

R.V.R &JCE College(RVR),Guntur

Aug. 2018 - May 2022

B.tech, Computer Science 2022

Cumulative GPA: 9.2/10.0

EXPERIENCE

SDE Intern,Uber, Software Developer, Bangalore

Aug. 2021 - Oct. 2021

Worked with the Payment Integrations team and developed the front-end of a portal that eases the on-boarding of PSP,

The portal supports various functionalities:

- The functionality to store and retrieve configuration on demand,supporting different modes of storage.
- The functionality to validate,test,generate,store configuration in serialization format.

I learned about various technologies like React.js,Redux, GraphQL, Grpc as well as Uber internal tools.

Coding Monsters, Co-guide for web Development Interns, India

May 2021 - June 2021

I am the mentor for the project Ontripa;a website that lists,compares and book hostels and cab rides.

I guide two web development interns,assign them tasks,monitor their progress and make sure that assign project by the client is completed before deadline.

Teaching Instructor

I teach C,C++,Flutter to clients of all ages.

Intern,ServiceNow, Associate Software Developer, Hyderabad

Apr. 2021 - June 2021

- Performing Client & Server-Side Scripting to achieve automation of daily tasks for the customers to preserve time.
- Integrating SSO(Single Sign On) with now platform.
- Perform email-troubleshooting for the customer whenever they are facing issues on Service-Now instance.
- Assisting the Customers even better with writing knowledge articles
- Scripting business rules along with automation of push notifications that enable customer to achieve goals

MLH Fellowship, MLH Fellow

Jan. 2021 - Mar. 2021

- The MLH Open Source Fellowship is a 12 week internship alternative for students interested in becoming software engineers.
- Instead of an internship at a single company,we contributed to the type of Open Source projects that every company depends on.
- Worked with a pod of 8-10 students,professional mentor & 2-3 Open Source project maintainers.
- Involved in pair programming,work through open issues,write-up documentation and participate in hackathons.

Web/Data-Science Intern,HaqDarshak, Associate Web Developer, Mumbai

July 2020 - Sept. 2020

• Developed a Full Stack Management Information System(MIS) application using Flask resulting in 33% increase in follow up rate for applications which were made to various Government Schemes.

• Developed an Android Application with Flask Back-end validating users using their Aadhaar Number via Aadhaar SDK,Improved testing coverage upto 80% of Android App using Roboelectric Testing Framework

The Linux Foundation, Mentee,Linux Kernel Mentorship Program

Aug. 2020 - Sept. 2020

Mentor: Brendan Higgins

- Implemented a feature for parameterized testing in KUnit, the unit testing framework of the Linux Kernel.
- Converting a few existing tests to use KUnit.
- Adding support to provide parameters to test cases from user-space

Perupule, Software Engineer Intern, India

Mar. 2020 - Apr. 2020

Developed an Angular based Web Application,Brandid. This application is an aggregator for popular brands.

Wheels on Roll, Android/Web-Developer, Mangalore,India

Sept. 2019 - Nov. 2019

Developed a static website using Html/CSS/Javascript with a Chat Functionality enabled via a third-party service Crisp

Ideas Revenue Solution, Software Developer Intern, Pune,India

Jan. 2019 - Mar. 2019

- Developed Recruitment Portal,a web portal for managing recruitment process and generating various reports using predictive analytics.
- The portal provides facilities to access and modify candidate details,status,create meetings and manage resources

SKILLS

PROGRAMMING LANGUAGES(ADEPT):: C++, Java, Python, JavaScript, Ruby, C#

PROGRAMMING LANGUAGES(FAMILIAR):: Go, R, Bash, Erlang, Swift, Dart, OCaml

DATABASE:: SQL, MySQL, PostgreSQL, MongoDB, NoSQL, Firebase

FRAMEWORKS/LIBRARIES:: Node.js, React, Express, ReactNative, AngularJS, Vuejs, Electronjs, GraphQL, Jest, Gulp, Webpack, Django, Spring, Flask, Kafka, Rasa

TOOLS:: Git, Docker, Jenkins, AWS Services, Flutter, Selenium, Kubernetes, Vuforia, Weka, Agile Scrum

SOFT SKILLS: Hard-working, Fast learner, Creative, Organized, Leadership, Public Speaker, Collaboration

SELECTED PROJECTS

Blockchain Solution for Targeted Public Distribution Systems in India

- Ongoing project to develop a block-chain solution for the Targeted Public Distribution System supply chain in India using Hyper-ledger Fabric.

Return Oriented Programming(ROP) tool in python

- Developed a tool to spawn a remote shell by exploiting vulnerable code using the ROP technique.
- Learnt the structure of ELF files and implemented the collection of ROP gadgets using Capstone, an open-source framework used to disassemble executables.

Implementation of ICTCP in ns3

- Implementation of Incast Congestion control for TCP (ICTCP), a TCP extension tailored to perform well in Data Center Networks in ns-3.

Quick Share

- Worked on creating a project which facilitates file sharing asynchronously among multiple instances of user logged in various systems.
- Deployed the app on Microsoft Azure Cloud making it available to various clients.
- Tech stack used: C#,Cosmos Database,.Net Framework,Microsoft Azure Cloud

Amazon Price Tracker

- This is a simple price tracker app using python that regularly compares the prices of your favorite stuff on amazon and sends you a customized notification email to tell you if the prices fell down.

SamEngima

- It is a simplified online meeting platform where you can chat before, during and after the call. Its user interface is simple and straightforward to use which makes it beginner-friendly.
- Just type in your name and create chat rooms in an instant.
- Join calls from there, start conversations! Make your conversations productive.
- You can jot down notes during conversations, collaborate together on the virtual whiteboard and also download it for later reference.

CodeShare

- CodeShare is a web-based real-time code sharing tool using phoenix-framework
- It empowers developers to collaborate remotely during hackathons, contests or for a project and live share code.
- It can also be potentially used in mentorship programs to live share code.
- The tool also compiles and runs code.

ACHIEVEMENTS

AWS Community Builder

Along with me,there was about 300 other people from all over the globe that were accepted in this cycle,which constitutes only 26% of all applicants

May 2021

Open Source Community

Part of AnitaB.org open source community.Currently involved in coding and design team.

2021

Hack the Earth, Secured First Prize and Best Track Price

A 36-hour long environment Hackathon empowering students world-wide to use technology for good.

June 2021

Kick Start-Google's Coding CompetitionSecured rank-225 in Round F

2020

IEEE Xtreme14, Secured Global rank- 304/2608

24-hour global algorithms and coding contest.

2020

Microsoft Code.Fun.Do, Winner

Created an Augmented Reality based app determining locations via Maps API and uses Azure Cloud.

2019

AMD Tech Day Hackathon, Winner

Build a RL prototype using Actor-Critic models to predict Stock Prices using AMD Deep Learning Library.

2019

LEADERSHIP EXPERIENCE

IEEE Student Chapter, Vice Chairperson

Managing the branch of 170+ student members and ensuring the smooth functioning of all club activities.

IEEE Computer Society, Secretary

2019 - 2020

ACM Student Chapter, Executive Member

Organizing technical events and Coding Competitions,Besides that as part of that I hosted workshops and educational seminars.

Hack the North, Mentor

Mentored students at the largest student lead Canadian Hackathon.

2021

Google Developer Student Clubs, Tech Lead

Conducted webinars,organized hackathons,problem setter and helping peers learn & connect in Google developer technologies.