

YASHU GARG

Software Developer | Student

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Experience

Python Software Foundation

May 2022 - Sep 2022

Google Summer of Code Contributor

Remote

- Contributed to Intel's CVE Binary Tool project.
- Employed Google Atheris in the project to fuzz XML and JSON outputs in vulnerability reports and SBOM.
- Added unit tests using pytest to achieve over 90% test coverage.
- Worked on including more information in the SBOM and adding a new output mode.

Raahee, Delhi

Sep 2020 - Nov 2021

Software Developer Intern

Remote

- Led the App team to develop and deploy applications for users to connect with Mental Health Professionals.
- Built 2 cross-platform applications with a public community forum, blog feature, personal music player, and journal management.
- Designed and implemented real-time bi-directional chats between the apps using Socket.io.

Enuke Software, Delhi

Nov 2020 - Feb 2021

Flutter Development Intern

Remote

- Implemented a traditional Chinese occasions calendar app called Sakya Calendar, with over 10k downloads on Android and iOS
- Developed a mobile app for delivery drivers using GoogleMapsAPI with Track Assistant.
- Improved efficiency of an Admin Panel Application for Inventory Management using Provider for state management.

Education

Cluster Innovation Centre, University of Delhi

Jul 2019 - Jun 2023

Bachelor of Technology in Information Technology and Mathematical Innovations

CGPA: 9.01

Projects

Leetcode Question Tracker | *ReactJS, Node.js, Express, Web Scraping, Heroku, Netlify*

Dec 2021

- Built a React app to view a user's Leetcode profile and keep track of assignment questions from a DSA Bootcamp.
- Webscraped files and links from GitHub to navigate through the app and view questions.
- Constructed a node.js server to work as a proxy to send requests to Leetcode for logging in and querying user and submission data using GraphQL.

Queuelio | *ReactJS, Express, Node.js, Flask, MongoDB*

Nov 2021

- Created a web application that implements virtual queues that ensure social distancing in COVID-19 settings.
- Built an interactive UI using ReactJS to function flawlessly on a computer or mobile device.

Builtree- Website | *ReactJs, NextJS, Bootstrap, GitHub Actions*

Feb 2022

- Contributed to developing the official website for Builtree, a collaborative open-source organization.
- Automated deployment and testing pipeline using the Github Actions CI/CD platform.

Bidder | *Flutter, Dart, Firebase*

Apr 2021

- Designed and developed a cross-platform mobile application to virtualize auctions and bidding.
- Implemented Firebase services in Dart to enable authentication, lot addition, and auction features.

Other Projects | *Python, CockroachDB, Unity 3D, C#, Java*

- **Discord Bot:** Created a chatbot to play music, surf the web, and play trivia games using Discord.py.
- **The Car Game:** Built an interactive 3D game using the Unity engine.
- **Quiz Application:** Developed a desktop application to take a quiz using Java swing.

Technical Skills

Languages: C++, Java, Python, Ruby, JavaScript, Dart, SQL

Tools/Frameworks: Flutter, React, Node.js, NextJS, Ruby on Rails, Tensorflow

Databases: Firebase, MongoDB, CockroachDB, MySQL

Leadership / Extracurricular

- Project Simulate selected for open source program GirlsScript Summer of Code in 2020 and 2021. Mentored more than 80 students.
- Oversaw a team of developers to build a freelance project. The iOS application is a social media/event management platform to be used exclusively by Stanford students.