

Yash Kumar Verma

yk.verma2000@gmail.com

[Github](#) [LinkedIn](#) [StackOverflow \(Repo 8300+\)](#)

Mobile : +91 88648 13176

EDUCATION

Vellore Institute of Technology, Vellore
Bachelor of Technology in Computer Science and Engineering

(Expected Graduation: June 2023)

EXPERIENCES & OPEN SOURCE CONTRIBUTIONS

Google Summer of Code- caMicroScope *May 2021 – Present*

- Implementing RBAC mechanism for access and rights distribution in the nodeJS backend.
- Work on performance improvements by integrating a cache layer for resource intensive tasks.

Technical Director- ACM-VIT *Mar 2021 – Present*

- Leading the official chapter with diverse domains, guiding projects and fostering the community.

GirlScript Summer of Code – Project Admin, Mentor *Feb 2021 – Present*

- Mentoring contributions for the project of organization: UniAuth
- Coordinating all operations in the program pertaining to UniAuth

Google Season of Docs - Mentor *Aug 2020 – Nov 2020*

- Mentoring qualified candidates for CircuitVerse (GSoC org) for CircuitVerse docs.

MLH Fellow – Major League Hacking (Internship) *June 2020 – Aug 2020*

- Worked on React Native: A cross platform, open Source mobile-application framework by **Facebook**.
- Designed, Prototyped, Tested and Documented RNTester Application.

Project Maintainer, Contributor – CircuitVerse *Apr 2020 - Present*

- Maintained and Monitored significant contributions on two CircuitVerse projects.
- Added two new components to calculate complements in circuit simulator and fixed UI related issues.

Backend Developer – BOSE AutoGuide (Freelance) *May 2020 – June 2020*

- Developed REST API for mobile application of the organization harnessing NodeJS, Typescript, Document Databases, and Firebase Cloud.

Project Maintainer – FOSSASIA *Nov 2018 - Present*

- Implemented a core game functionality, inventory mechanism for the player to collect and use in-game objects; Coordinated open source contributions.

TALKS, WORKSHOPS AND COMMUNITY EXPERIENCES

- Judged, Mentored, and Hosted multiple Workshops in
 - Medhacks 2020: A Premier Hackathon organized by John Hopkins University.
 - SillyHacks 2020 , HackTheMountains 2020, VandyHacks 2020: MLH Season Hackathons.
- Organized and Hosted Workshops with Google Developers Group Goa titled “Getting started with Hacktoberfest”.

- Organized and Hosted multiple Workshops at University Level as a Microsoft Student Learn Ambassador.
- Addressed multiple online sessions on YouTube covering tech topics like GSoD, MLH Fellowship and JavaScript workshops etc; on invitation from prominent Tech YouTube channels.

PROJECTS (more available on [Github](#))

- **UniAuth:** A full feature private, customizable identity manager as an OAuth, server written from scratch with client libraries in multiple languages for effortless integration; to provide industry level authorization flow. Accepted into GirlScript Summer of Code 2021. (www.uniauth.co)
- **Reverse Coding:** A robust system comprising of microservices written in nest.js and Golang to execute code, judge submissions and award points. Responsive UI written in React.js, TailwindCSS; bundled with serverless functions to eliminate redundant code for interacting with Google Cloud and Firebase.
- **Executely:** A web application written in MERN stack to read, parse, and to identify the language, and to execute handwritten code snippets with full support for custom inputs and image cropping.
- **Blazing:** A PHP framework following MVC guidelines, with minimal footprint and built in templating engine, cache support, file management and database modules.
- **School Sahayak:** A full-stack project, developed during the high school days, built entirely on Blazing Framework (mentioned above) to manage academic records, fees, transport details, communication management and customized report generation.
- **Attendance Application:** A full-stack project to manage attendance during the events, intended to be used by the organizations while organizing events; with provisions for multiple-sessions and QR scanning.
- **Octave:** An application in MERN stack to play music based on votes by audience in hackathons, relies on Spotify API for song indexes, automated playback.
- **Dolos:** A data mocking server to generate random data in desired structure, based on the JSON schema provided by client.
- **Go do Sql:** A CLI written in Golang to generate tables and seed random data in multiple implementations like MySQL, Oracle SQL etc, with support of auto-complete within the shell.
- Published **NPM** Packages to generate index pages, generate .env files, cloud deployment using surge.sh
- **Shatabdi.js:** An experimental Node.js web framework written from scratch which **beats express.js** in benchmarks like latency and response time.

AWARDS & RECOGNITIONS

- Coding Blocks Bountiful Open Source Summer 2020: **Winner** (August 2020)
 - A 3-month long competition focused on improving the open source projects of Coding Blocks.
- **MLH Fellowship Orientation Hackathon: Winner** (June 2020)
 - Built Executely, awarded #1 in "Overall" category for the hackathon.
- ACM-VIT Learn to Augment Hackathon: **Winner** (September 2019)
 - Built an AR Snapchat filter to add overlays by detecting facial features in real-time.
- Merit Certificate by VIT University for securing second rank in the academics under Computer Science Department for the academic year 2019-20.
- **Google Code-In 2017-18**
 - Awarded "Finalist Winner" in the 45-day long open source contribution event.