

ANAND BABURAJAN

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EDUCATION

Government Engineering College, Sreekrishnapuram

Bachelor of Technology (B.Tech) in Computer Science and Engineering

Palakkad, Kerala, India

Aug 2017 – Jul 2021

EXPERIENCE

Open Source Developer – LiberTEM

Mar 2021 – present

- Building a simulator for network streams from recorded datasets for a high-speed camera for microscopy

Co-founder and Team Lead – RocketMeet

Nov 2020 – present

- Leading a team of 6 members building RocketMeet — a free and open source meeting scheduling tool
- Built a RESTful service connected to MongoDB with TypeScript and Express.js to manage polls
- Wrote unit tests with Jest, setup CI/CD with GitHub Actions and deployed it to production
- Developed various UI components with Next.js for the GUI

FOSS OpenHack Mentor – FOSS Cell, GEC Palakkad

Sep 2020 – Feb 2021

- Mentored 25+ students building 10+ projects and contributing to major open source projects
- Suggested best practices and performed code review on projects in JavaScript, Python and Java

Google Summer of Code Developer – Python Software Foundation

Jun 2020 – Aug 2020

- Worked on LiberTEM — a platform for high-throughput distributed processing of large binary datasets
- Implemented a feature to reshape binary datasets in different formats using Python, NumPy and h5py
- Followed TDD with pytest to develop a feature to handle synchronization/acquisition issues in 4D STEM
- Fixed several bugs and made usability improvements in the React.js GUI with TypeScript

Teaching Assistant – TinkerHub, GEC Palakkad

Jan 2020 – Mar 2020

- Tutored 25 students basic algorithms and programming in C

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, C++

Libraries/Frameworks: Node.js, Express.js, Mongoose, React.js, Next.js, Jest, Flask, NumPy, Pytest

OS/Platforms: Linux, Windows, Docker, Firebase, Heroku

Databases/Tools: MongoDB, MySQL, Git, VS Code, Vim, Jupyter Notebooks, GitHub Actions, Wireshark

LEADERSHIP

GirlScript Summer of Code Project Admin – RocketMeet

Mar 2021 – May 2021

- Leading students and mentors contributing to RocketMeet

FOSS OpenHack Program Manager – FOSS Cell, GEC Palakkad

Sep 2020 – Feb 2021

- Launched FOSS OpenHack '20 — a program to bring more students into open source
- Led the program with 75+ students and 10+ mentors from different cities across India

ACHIEVEMENTS

One Night Code Finalist – Dyuksha, NSS College of Engineering

Feb 2020

- Developed Pluto which made it to top 3 out of 11 teams at the 15 hour all-night hackathon

GEC PKD Hackathon Winner – GEC Palakkad

Jan 2020

- Developed Habitat which won 1st place out of 12 teams at the 3-hour hackathon