

# ANAND BABURAJAN

✉ anandbaburajan@gmail.com | 🌐 github.com/anandbaburajan | 🔗 linkedin.com/in/anandbaburajan | ☎ +91 7827534524

## 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 microscopy camera

### Founder and Team Lead – RocketMeet

Nov 2020 – present

- Leading an initial team of 6 members and mentoring 5+ open source contributors
- Built a RESTful service connected to MongoDB with TypeScript, Express.js and Mongoose to manage polls
- Wrote unit tests with Jest and configured CI/CD with GitHub Actions to deploy the service to production
- Designed and developed web pages and UI components for the Next.js front-end

### 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 and Python

### Google Summer of Code Developer – LiberTEM, Python Software Foundation

Jun 2020 – Aug 2020

- Enhanced the pipeline to allow reshaping binary datasets in 10 formats using Python, NumPy and h5py
- Followed TDD to implement sync offset correction to handle sync/acquisition issues in 4D STEM
- Developed a feature to get the coordinates of a tile/partition slice for applications such as Ptychography
- 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, problem-solving and programming in the C language

### Freelance Web Developer – UpWork

Jul 2017 – Jul 2018

- Developed WordPress sites for 5 clients and implemented best practices, achieving 90+ PageSpeed scores
- Designed layouts, built dynamic pricing tables, setup email campaigns and integrated payment gateways

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, TypeScript, C++

**Libraries/Frameworks:** NumPy, h5py, pytest, Flask, Node.js, Express.js, Mongoose, React.js, Next.js, Jest

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

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

## LEADERSHIP

### FOSS OpenHack Program Manager – FOSS Cell, GEC Palakkad

Sep 2020 – Feb 2021

- Launched and led the program with 75+ students and 10+ mentors participating from across India
- Raised the number of contributors to open source projects at CERN, Intel and Oppia by 4
- Raised the number of open source projects at FOSS Cell, GEC Palakkad from 0 to 18

## 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