ANAND BABURAJAN

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EDUCATION

Government Engineering College, Sreekrishnapuram   Palakkad, Kerala, India
Bachelor of Technology (B.Tech) in Computer Science and Engineering   *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

Co-founder and Team Lead – **RocketMeet**   *Nov 2020 – present*
- Leading an initial team of 6 members and mentoring 9 open source contributors
- Built a RESTful service connected to MongoDB with TypeScript, Express.js and Mongoose to manage polls
- Wrote unit tests with Jest, setup CI/CD with GitHub Actions and deployed it to production
- Developed various UI components for the Next.js frontend

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*
- 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
- 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: 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

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