Aadhavan Paavai Lenin

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WORK EXPERIENCE

Oracle   **July 2024 - Present**
Member Technical Staff - 1   *Bangalore, India*

Oracle   **May 2023 - July 2023**
OCI Server Technology Intern   *Bangalore, India*
- Worked with the Oracle Cloud Infrastructure Security DevOps team
- Developed a framework to facilitate synchronization of data between control plane and data plane
- Worked extensively with Oracle Autonomous Database and Oracle NoSQL provided by Oracle Cloud Infrastructure

Tathva '22   **June 2022 - October 2022**
Senior Web Developer   *Kozhikode, India*
- Designed and developed 4 websites to facilitate the Biggest Techfest in South India
- Served over 20K users with 300K page visits over a span of 4 weeks
- Conducted several workshops and mentored juniors part of the Tathva Tech Team

PROJECTS

Abakon Competitions   **2024 - Present**
Full Stack Web Development   *Bangalore, India*
- Developing a software solution to host abacus competitions online
- Designed the frontend using React (Next.js), with deployment on Vercel
- Implemented the backend with Pocketbase, an open-source CMS, and hosted it on DigitalOcean cloud services

eXpServer   **2023 - 2024**
Educational web server   *Kozhikode, India*
- eXpServer has a single threaded, event-driven, asynchronous architecture similar to Nginx
- Developed from scratch in C, utilizing Linux socket programming APIs
- Created a comprehensive roadmap for individuals to build eXpServer from the ground up
- Designed to be incorporated as an undergraduate Networks laboratory course at the National Institute of Technology, Calicut

CVLA   **2024**
Full Stack Web Development   *Kozhikode, India*
- Developed a dynamic website for the Computer Vision, Learning, and Applications Research Group to showcase research, publications, and projects
- Designed the frontend using React (Next.js), with deployment on Vercel
- Implemented the backend with Pocketbase and hosted it on DigitalOcean

NITC Attendance Tracker   **2023**
Mobile App Development   *Kozhikode, India*
- Created a mobile application for professors to efficiently manage class attendance and track student attendance trends
- Allows users to create, import, view, mark, alter and export student attendance details
- Developed using React Native and deployed on the Google Play Store

EDUCATION

National Institute of Technology, Calicut   **2020 - 2024**

B.Tech Computer Science and Engineering   *Kozhikode, India*
- CGPA: 8.31

DPS - Modern Indian School, Qatar   **2019 - 2020**

High School, CBSE   *Doha, Qatar*
- Grade: 94.8%

CERTIFICATIONS & SKILLS

- **Certifications:**
    - *Oracle:* Oracle Cloud Infrastructure Foundations
    - *Amazon Web Services:* AWS Cloud Practitioner Essentials
    - *IBM:* Introduction to Cybersecurity Essentials
    - *University of California, Davis:* SQL for Data Science
- **Skills:**
    - *Programming:* C, C++, Python, Java, HTML, CSS, JavaScript
    - *Frameworks:* React, Next.js, React Native
    - *Databases:* SQL, NoSQL
    - *Tools:* Figma, Git, GitHub