# NITHIN S VARRIER

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## EDUCATION

**APJ Abdul Kalam Technological University** — 2020 - 2024
B.Tech, Computer Science & Engineering — 9.68/10 CGPA

**Technical Higher Secondary School, Vattamkulam** — 2018 - 2020
DHSE Kerala — 95.75%
Higher Secondary, Kerala

**Dr. N K Mohammed Memorial MES Central School, Valanchery** — 2018
CBSE — 91.6%
High School, Kerala

## TECHNICAL SKILLS

**Web Development:** HTML, CSS, ReactJS, Zustand, ExpressJS, NodeJS, NextJS, RemixJS, RSC
**Programming:** JavaScript/TypeScript, Python, SQL, C, C++
**Deployment:** Docker, Azure, DigitalOcean
**Certifications:**
- 100 Days of Code: The Complete Python Pro Bootcamp for 2023 - Udemy
- React (Basic), Python (Basic), Problem Solving (Basic) - Hackerrank
- 7 days Internet Of Things Internship - Pacelab

## EXPERIENCE

**Cofount Labs: Software Developer** — July 2024 - Present
- Developed a score based Content Management System using Next.js, Supabase for storage and authentication. PostgreSQL transactions used to improve reliability of calculating scores.
- Single-handedly created an MVP for a linktree like web app for making shop websites, using RemixJS, Supabase.
- Leading the front-end development and migration of a multi-tenant clinic management solution to React Server Components along with server actions from client side data fetching/mutation implementation. Thus improving page load times by more than 50%.

## INTERNSHIPS

**IEEE Kerala Section: Frontend Developer Intern** — Feb 2022 – Feb 2023
- Collaborated with other in-house teams, including Design and Content teams to develop the "Insighter Scholarship Portal" and resolve bugs in the existing product - IEEE Mint.
- Contributed to the development of user-friendly interfaces for both the scholarship portal and IEEE Mint, enhancing the overall user experience.
- Ensured consistent brand adherence by overseeing the website's layout, graphics, and copy, aligning them with established design specifications.

## OPENSOURCE CONTRIBUTIONS

- **Contributed to the F3D project on GitHub (PR 1199):** Implemented zoom to mouse position feature in a C++ codebase, improving usability. Demonstrated expertise in open-source collaboration, software development.

## PROJECTS

**Starlight: An image denoiser** — Feb 2024
Developed a system which uses custom machine learning model to denoise images
- **Technologies used:** Python, OpenCV, Tensorflow, NumPy, Flask, RemixJS, Server Sent Events
- Developed as our final year academic project.
- Used server sent events to efficiently stream image denoising progress.
- Modified and customized machine learning model (RIDNET) to effectively denoise the images using tens.

**Insightify: A result analysis report generator** — Jun 2023
Collaborated in a team of four to create a web application for creating reports out of PDFs generated by KTU.
- **Technologies used:** Python, Camelot, Pandas, Streamlit
- Developed as an internal tool for automating faculty work as a part of our Mini Project.
- Created a intuitive, user-friendly interface for ease of use.

**The Note App** — Aug 2022
Developed a simple note taking web application.
- **Technologies used:** ReactJS, MobX State Tree, JavaScript, Firebase, Material UI
- Developed interface to create notes under a topic and to create topics under a subject.