

# Abdul Samad

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## PROFESSIONAL EXPERIENCE

- CSIR** Jan 2024 – present | New Delhi  
Computer Science Research Intern  
Intern in hqrs on innovation and improvisation of technology and softwares used in various govt sectors of the nation. Working under chief scientist and head of IT.
- Squareboat** Feb 2023 – Jun 2023 | Gurugram  
Software Engineer Intern  
Worked as a backend engineer & used design patterns such as monorepo, bff and diverse stack of Typescript, Nestjs, Nextjs, Postgresql, Aws, Docker and more. I was also involved in a client application where I built several subapp as well as authn, authz and provided the appropriate database choice.

## PROJECTS

- Issue Tracking System with Git** Dec 2023 – Jan 2024  
Nodejs, Reactjs, MongoDB  
[its-loop.vercel.app](https://its-loop.vercel.app) [🔗](#)
- Worked on a new and novel approach to issue tracking systems based on personal observation during my internship.
  - Added git commit support to bugs that arise during the project development phase by leveraging new fine-grained PAT of github.
- Job Portal Api** Mar 2023  
Typescript, Nestjs, PostgreSQL, Objection  
[github.com/mr-loop-1/job-portal-nestjs](https://github.com/mr-loop-1/job-portal-nestjs) [🔗](#)
- Made a monorepo architecture Job Portal Rest Api for Recruiters as well as Candidates
  - Made authz and authn using jwt and role based guards to separate routes and designed with modularity using dependency injection, validators and transformers.
- Graphic Designs Ecommerce (aarview)** Jun 2023 – Jul 2023  
Nodejs, Nextjs, PostgreSQL, AWS - beanstalk, rds, s3  
[www.aarview.com](https://www.aarview.com) [🔗](#)
- Developed for my father's graphic design business for ease of clients
  - Used oss Vercel commerce and developed a Nodejs server that imitates and replaces an expensive Shopify Plus storefront backend by mapping all routes and functions
  - Plugged a oss medusajs admin server separately on the database for admin controls

## OPEN SOURCE

- Green Webhook Proxy** Oct 2022 – Nov 2022  
[github.com/jonparker/green-webhook](https://github.com/jonparker/green-webhook) [🔗](#)  
SWE of Green Webhook team for CarbonHack 22. Worked with Redwoodjs, Postgres, Prisma to implement core logic of selecting greenest azure data center
- Open Street Map** Mar 2022 – Apr 2022  
[github.com/valhalla/valhalla/pull/3590](https://github.com/valhalla/valhalla/pull/3590) [🔗](#)  
Fixed route cost calculations of Trucks with integration test using C++ in OSM's routing engine Valhalla.

## EDUCATION

- B. Tech - Computer Engineering** 2019 – 2023  
Jamia Millia Islamia, Delhi

## SKILLS

C, C++, Javascript, Typescript, Python, Nodejs, Nestjs, Reactjs, Nextjs, MySQL, PostgreSQL, MongoDB, Git, OOPS, DBMS, Networks