

Cliford Joshy

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EDUCATION

National Institute of Technology, Calicut

Bachelor of Technology in Computer Science and Engineering
CGPA: 9.11

Calicut, India

2019 – 2023

Bhavan's Vidya Mandir, Girinagar

Higher Secondary School
Grade 12 (CBSE): 96%

Kochi, India

2017 – 2019

GEMS Our Own High School

High School
Grade 10 (CBSE): CGPA 10

Dubai, UAE

2012 – 2017

EXPERIENCE

Member, Tech | Systems

D. E. Shaw India

July 2023 – Present

Hyderabad, India

- Worked in the application engineering team to develop and maintain various internal tooling
- Developed REST APIs using FastAPI, SpringBoot and Go
- Worked with various orchestration (and related) tools such as K8s, Helm and Docker
- Maintained internal libraries in Python and Java

Intern | Systems

D. E. Shaw India

May 2022 – July 2022

Hyderabad, India

- Developed a native mobile application expanding the use of various in-house tools.

Intern

Storilabs System Technologies

May 2021 – July 2022

Calicut, India

- Worked on a subscription management application on Shopify using React and GraphQL APIs

PERSONAL PROJECTS

Toy Compiler | Haskell

- A compiler for an object-oriented toy programming language

Rubik's Cube Solver | C++

- Generates the solution for any shuffle in under 45 moves using the Thistlethwaite algorithm

Rajpath RECalls App | Java, Firebase

- A native android application that streams audio from a web radio
- Built for the college radio and had upwards of a thousand concurrent users

Tathva/Ragam Websites | Strapi, Postgres, nginx

- REST APIs for college fest websites to handle event registrations, submissions, payments, team management, hostel allocation and other requirements.
- Handled more than 10,000 unique registrations on each site

Chess Bot | C++, Win32

- A single player chess game that works using the minimax algorithm
- Implemented a Windows native GUI using the Win32 API

TECHNICAL SKILLS

Languages: TypeScript, Python, Java, C/C++, BashGo, Haskell

Frameworks: React, FastAPI, ExpressJS, Android SDK, React Native

Tools: Git, GitHub Actions, Docker, Kubernetes, Helm, SQL Server, Postgres