

# Cliford Joshy

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## EDUCATION

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### 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

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### 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

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### 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

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**Languages:** TypeScript, Python, Java, C/C++, Bash, Go, Haskell

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

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