

# Cliford Joshy

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## EDUCATION

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### National Institute of Technology, Calicut

Calicut, India

Bachelor of Technology in Computer Science and Engineering

2019 – 2023

CGPA: 9.11

### Bhavan's Vidya Mandir, Girinagar

Kochi, India

Higher Secondary School

2017 – 2019

Aggregate (AISSCE): 96%

### GEMS Our Own High School

Dubai, UAE

Secondary School

2012 – 2017

CGPA (AISSE): 10

## EXPERIENCE

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### D. E. Shaw India

Hyderabad, India

Senior Member, Tech | Core Tech

Jan 2025 – Present

Member, Tech | Systems

July 2023 – Dec 2024

- 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 tools such as K8s, Helm and Docker
- Maintained internal libraries in Python and Java

Intern | Systems

May 2022 – July 2022

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

### Storilabs System Technologies

Calicut, India

Intern

May 2021 – May 2022

- 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 upwards of 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