Cliford Joshy

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EDUCATION

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*
Grade 12 (CBSE): 96%

GEMS Our Own High School —— Dubai, UAE
High School —— *2012 – 2017*
Grade 10 (CBSE): CGPA 10

EXPERIENCE

Member, Tech | Systems —— July 2023 – Present
D. E. Shaw India —— *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 —— May 2022 – July 2022
D. E. Shaw India —— *Hyderabad, India*

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

Intern —— May 2021 – July 2022
Storilabs System Technologies —— *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++, Bash, Go, Haskell
Frameworks: React, FastAPI, ExpressJS, Android SDK, React Native
Tools: Git, GitHub Actions, Docker, Kubernetes, Helm, SQL Server, Postgres