

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 Aggregate (AISSCE): 96%	Kochi, India 2017 – 2019
GEMS Our Own High School Secondary School CGPA (AISSE): 10	Dubai, UAE 2012 – 2017

EXPERIENCE

D. E. Shaw India Senior Member, Tech Core Tech <ul style="list-style-type: none">Worked in the GAITech team to build and maintain tools and apps that enable and integrate Generative AI in existing workflowsArchitected and implemented micro-services and features across applicationsWorked on low-level enhancements to vector databases such as FAISS and Milvus	Bengaluru, India Jan 2025 – Present
Member, Tech Systems <ul style="list-style-type: none">Worked in the Application Engineering team to develop and maintain internal tooling and librariesDeveloped REST APIs and worked with various orchestration tools such as K8s, Helm and Docker	July 2023 – Dec 2024
Intern Systems <ul style="list-style-type: none">Developed a native mobile application expanding the use of various in-house tools	May 2022 – July 2022
Storilabs System Technologies Intern <ul style="list-style-type: none">Worked on a subscription management application on Shopify using React and GraphQL APIs	Calicut, India May 2021 – May 2022

PERSONAL PROJECTS

Toy Compiler  Haskell <ul style="list-style-type: none">A compiler for an object-oriented toy programming language
Rubik's Cube Solver  C++ <ul style="list-style-type: none">Generates the solution for any shuffle in under 45 moves using the Thistlethwaite algorithm
Rajpath RECalls App  Java, Firebase <ul style="list-style-type: none">A native Android application built for the college radio that streams audio from a web radio
Tathva/Ragam Websites  Strapi, Postgres, nginx <ul style="list-style-type: none">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 <ul style="list-style-type: none">A single-player chess game that works using the minimax algorithmImplemented 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