

# Cliford Joshy

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## EDUCATION

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<b>National Institute of Technology, Calicut</b> Bachelor of Technology in Computer Science and Engineering CGPA: 9.11	Calicut, India 2019 – 2023
<b>Bhavan's Vidya Mandir, Girinagar</b> Higher Secondary School Aggregate (AISSCE): 96%	Kochi, India 2017 – 2019
<b>GEMS Our Own High School</b> Secondary School CGPA (AISSE): 10	Dubai, UAE 2012 – 2017

## EXPERIENCE

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<b>D. E. Shaw India</b> <b>Senior Member, Tech   Systems</b> <b>Member, Tech   Systems</b> <ul style="list-style-type: none"><li>• Worked in the Application Engineering team to develop and maintain various internal tooling</li><li>• Developed REST APIs using FastAPI, SpringBoot and Go</li><li>• Worked with various orchestration tools such as K8s, Helm and Docker</li><li>• Maintained internal libraries in Python and Java</li></ul>	Hyderabad, India Jan 2025 – Present July 2023 – Dec 2024
<b>Intern   Systems</b> <ul style="list-style-type: none"><li>• Developed a native mobile application expanding the use of various in-house tools</li></ul>	May 2022 – July 2022
<b>Storilabs System Technologies</b> <b>Intern</b> <ul style="list-style-type: none"><li>• Worked on a subscription management application on Shopify using React and GraphQL APIs</li></ul>	Calicut, India May 2021 – May 2022

## PERSONAL PROJECTS

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<b>Toy Compiler</b> <a href="#">↗</a>   Haskell <ul style="list-style-type: none"><li>• A compiler for an object-oriented toy programming language</li></ul>	
<b>Rubik's Cube Solver</b> <a href="#">↗</a>   C++ <ul style="list-style-type: none"><li>• Generates the solution for any shuffle in under 45 moves using the Thistlethwaite algorithm</li></ul>	
<b>Rajpath RECalls App</b> <a href="#">↗</a>   Java, Firebase <ul style="list-style-type: none"><li>• A native Android application that streams audio from a web radio</li><li>• Built for the college radio and had upwards of a thousand concurrent users</li></ul>	
<b>Tathva/Ragam Websites</b> <a href="#">↗</a>   Strapi, Postgres, nginx <ul style="list-style-type: none"><li>• REST APIs for college fest websites to handle event registrations, submissions, payments, team management, hostel allocation and other requirements.</li><li>• Handled upwards of 10,000 unique registrations on each site</li></ul>	
<b>Chess Bot</b> <a href="#">↗</a>   C++, Win32 <ul style="list-style-type: none"><li>• A single-player chess game that works using the minimax algorithm</li><li>• Implemented a Windows native GUI using the Win32 API</li></ul>	

## 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