

EDUCATION

- **Indian Institute of Technology Roorkee** Roorkee, India
Bachelor of Technology in Civil Engineering July 2015 – May 2019

EXPERIENCE AND PROJECTS

- **Goldman Sachs** Singapore
Executive Director Jan 2025 - Present

- **Automated release workflows** by integrating GitLab, Confluence internal APIs, **saving developer time of 30–40 hours/month** and accelerating deployment cycles.
- **Centralized system observability**: Engineered Grafana, Pyroscope dashboards for instrumentation metrics to enable in-depth real-time performance analysis
- **Spearheading E2E delivery** of a new trading workflow collaborating across 6 teams: consolidating requirements, managing dependencies, and driving phased rollout for **accelerated time-to-market**.

- Associate** Jan 2023 - Jan 2025

- **Architected exchange connectivity solutions using JNA/Java OMnet API**, while leading resiliency enhancements for Listed Clearing apps (POC role).
- **Modernized legacy systems**: Created viable QA/dev environments for 10+ yr old systems and migrated workflows to modern stacks for sustainable enhancements.
- Designed monitoring infrastructure with Prometheus/Grafana for real-time JVM/EMS metrics, improving system observability.
- Translated Asia Listed Clearing requirements into scalable software, contributing cross-functionally to critical applications.
- **Mentored junior developers / interns** on business/technical domains and streamlined onboarding.

- Analyst** Nov 2021 - Jan 2023

- Implemented backend solutions to **support onboarding of new businesses** for Asia Listed Clearing operations
- Developed a web-based tool to trace and link data across internal systems, **improving support workflows and debugging efficiency**
- **Designed and implemented a Regression Testing Framework**, improving test coverage and boosting reliability across deployments.
- Maintained and enhanced External Connectivity Applications to ensure seamless data exchange between systems

- **Works Applications** Singapore
Software Engineer Oct 2019 - Oct 2021

- Designed and developed a UI customization app to streamline **client–consultant collaboration**.
- **Created Angular code generator** saving **1,200+ man-hours** via reusable design patterns
- Diagnosed and optimized web application latency using AppDynamics.
- Engineered **JSON-to-XLSX/Sheets** tools with macros for user-friendly data interaction
- **Liaised with managers/consultants** to translate business needs into technical requirements.

- **Spookfish Innovations** Bangalore, India
Deep Learning Engineer (Internship) May 2018 - Jul 2018

- **Developed and deployed a pose-comparison model** adopted by cricketers to correct critical body positioning
- Integrated cross-modal (thermal/RGB) pose estimation through custom calibration and model development

- **Indian Institute of Technology** Roorkee, India
Research Aug 2018 - May 2019

- Developed an indoor selfdriving bot with Kinect for depth sensing, reducing cost by 50% over traditional LIDAR
- Simulated complex 3D mazes in Blender to optimize mapping and exploration algorithms for new environments

TECHNICAL SKILLS

- **Languages** : Java, Javascript, Typescript, Bash, Python, C/C++, SQL, HTML, CSS
- **Frameworks & Technologies** : Spring, Angular, React, Node.js, Git, MySQL, DB2, Sybase, Kafka, Docker, Prometheus, Grafana, Vim
- **Others**: AWS EC2, S3, Lambda; GitLab, Confluence API;

AWARDS

- Secured 3rd Rank in The Young Optimization Crackerjack Contest conducted by IEOR @ IITB & McKinsey Knowledge Centre India.
- Ranked 4th in GSC-Brainwaves Hackathon organized by Societe Generale for innovative tech solutions

LANGUAGES

- English, Hindi, Telugu.