

EDUCATION

- **Indian Institute of Technology Roorkee**

Bachelor of Technology in Civil Engineering

Roorkee, India

Jul. 2015 – May. 2019

EXPERIENCE AND PROJECTS

- **Goldman Sachs**

Associate

Singapore

Jan 2023 - Now

- Built JNA Based Java application to establish exchange connectivity with OMnet API.
- Streamlined automated release process of multi repository systems and integrated with confluence API for documentation. Saving about 3 hours of developer time per month
- Gathered and translated Asia Listed Clearing business requirements into effective software solutions.
- Led resiliency efforts, enhancing stability and served as POC for Listed Clearing Connectivity Apps.
- Cross-functional contributions to Listed Clearing applications beyond standard duties.
- Integrated Prometheus and Grafana with various applications, enabling easy access and real-time monitoring of JVM and EMS metrics.
- Mentored interns and Junior developers, facilitating onboarding and providing insights into both business and technical aspects of applications.

- **Goldman Sachs**

Analyst

Singapore

Nov 2021 - Jan 2023

- Implemented solutions to onboard new business for Asia Listed Clearing activity.
- Maintain, enhance, and support External Connectivity Applications for seamless data exchange.
- Designed and implemented a Regression Framework, improving testing efficiency and application reliability.
- Provided dedicated support to a family of External Connectivity applications on a weekly rotation basis, ensuring smooth operations.

- **Works Applications**

Software Engineer

Singapore

Oct 2019 - Oct 2021

- Worked on designing and developing an application to simplify **UI customization** and decrease the communication barrier between clients and consultants.
- Developed and maintained **Angular Code Generator** to embed flexible design patterns and improve developer productivity saving around **1200 man hours** and still counting.
- Utilise **App Dynamics** to analyse and improve **latency issues** in web applications.
- Actively worked on converting **JSON data to XLSX/Google Sheets** with embedded macros to enhance ease of usage.
- Handling deployment in internal applications corresponding to **AWS Lambda** and traditional servers.
- Interacted regularly with managers, consultants to effectively map business requirements to technical requirements in a multicultural workspace.

- **Spookfish Innovations**

Deep Learning Engineer (Internship)

Bangalore, India

May 2018 - Jul 2018

- Research and Development of a Human Pose Estimation Architecture.
- Integration of Pose Estimation model with Thermal imagery.
- Calibration of thermal camera with regular RGB camera.
- Development of Pose Comparison model.
- This software is now being used by cricket players in identifying the critical body parts while playing.

- **Indian Institute of Technology**

Research

Roorkee, India

Aug 2018 - May 2019

- Development of a self-driving motor robot for indoor environments.
- Kinect is used to obtain the depth image instead of LIDAR thereby reducing the cost of model by 50%.
- Several 3D-mazes are built using Blender for optimization of mapping algorithm.
- Exploration algorithm is being developed to build the map of an unknown space.

PROGRAMMING 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
- **Interests** : Web Development, Data Analysis/Visualisation, Machine Learning, Computer Vision

AWARDS

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

LANGUAGES

- English, Hindi, Telugu.