

EDUCATION

- **Indian Institute of Technology Roorkee**

Bachelor of Technology in Civil Engineering

Roorkee, India

Jul. 2015 – May. 2019

EXPERIENCE AND PROJECTS

- **Works Applications**

Junior Software Engineer

Singapore

Oct 2019 - Present

- 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 into the code and improve readability, maintainability and developer productivity.
- Utilise App Dynamics to decrease latency in the product.
- Actively worked on converting JSON data to XLSX/Google Sheets with embedded macros to enhance ease of usage.
- Facilitated in the documentation of UI customization from editing to deployment.
- 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

- **Frameworks & Technologies** : Spring, Angular, Node.js, Anaconda, Tensorflow, OpenCV, MySQL, Cassandra, Git
- **Languages** : Java, Javascript, Typescript, Python, C/C++, SQL, HTML, CSS/LESS
- **Interests** : Web Development, Machine Learning, Computer Vision, Data Analysis/Visualisation

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.