

## EDUCATION

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- **Indian Institute of Technology Roorkee**

*Bachelor of Technology in Civil Engineering*

Roorkee, India

*Jul. 2015 – May. 2019*

## EXPERIENCE AND PROJECTS

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- **Works Applications**

*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 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

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- **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

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- 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

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- English, Hindi, Telugu.