

# Daksh Goyal

Email: dakshgoyal58@gmail.com | Portfolio Website | LinkedIn | GitHub

## EXPERIENCE

### Software Development Engineer - I

December 2021 - Present

*Signzy Technologies*

*Bengaluru, India*

- Developed multiple features as part of the global-onboarding project using Angular and Loopback which contributed to the project's overall growth and stability.
- Maintained and enhanced the global-onboarding project that required refactoring frontend and backend modules that improved code readability and increased robustness.
- Worked as part of a highly dynamic team that ensures that the bugs are settled swiftly, ensuring finest end-user experience.

### Summer Research Intern

April 2020 - August 2020

*Indian Institute of Technology, Roorkee*

*Roorkee, India*

- Generated models for anomaly detection in time-series data employing RNN, LSTM and different regressors in PyTorch
- Pruned CNN models developed for wearable sensor data, to reduce their computing cost and time using Geometric Median and Partial Least Squares Pruning

### Summer Research Intern

May 2019 - July 2019

*Indian Institute of Technology, Roorkee*

*Roorkee, India*

- Developed Machine Learning techniques to predict crops ready for harvesting using satellite imagery.
- Enhanced the machine learning approach to prediction by making use of fusion techniques

## EDUCATION

### National Institute of Technology Karnataka

CGPA: 9.38/10

*Bachelor of Technology, Civil Engineering*

*Aug. 2017 – May 2021*

## SCIENTIFIC PUBLICATIONS

### Conference Proceedings

- Daksh Goyal, K. R. Jerripothula, A. Mittal, "Detection of Gait Abnormalities caused by Neurological Disorders," *IEEE 22nd International Workshop on Multimedia Signal Processing (MMSP)*, Tampere, Finland, September 2020. (Link)

## PROJECTS

### RoyalCrow | *React, Redux, NodeJs, Firebase, Styled-Components*

Github | Live Demo

- Built a modern day ecommerce clothing website with stripe payments integration
- Implemented OAuth 2.0 to improve the overall security of user data.
- Integrated Stripe API that allows to place orders by making mock payments.

### NASA Mission Control | *NodeJs, React, MongoDB, Docker, PM2*

Github | Live Demo

- Built a mock space mission control dashboard that allows to schedule and keep track of launch missions.
- Integrated SpaceX API that provides details on past and upcoming SpaceX launches.
- Implemented a CI/CD workflow using GitHub actions and Docker.
- Utilized PM2 to enable zero downtime restarts.

### Smartast | *React, NodeJs, Express, PostgreSQL*

Github | Live Demo

- Built a full stack responsive web app that detects human faces in an image
- Utilized *bcrypt* to hash passwords for improved security of the user data
- Integrated API calls to Clarifai face detection model and stored data efficiently in PostgreSQL backend

## TECHNICAL SKILLS

**Languages:** JavaScript, TypeScript, Python, C/C++, MATLAB,  $\LaTeX$ , PostgreSQL, HTML, CSS

**Libraries/Frameworks:** Angular, NodeJs, Loopback, React, Redux, Express, Deno, PyTorch, TensorFlow

**Developer Tools:** Git, Docker, GitHub Actions, Ansible

**Awards:** Merit Scholarship at NITK

**Certifications:** GUVI Deep Learning, Coursera Frontend Web Development Path

**Extra/Co-curriculars:** Member of ASCE, Governor awardee in Bharat Scouts and Guides, Taekwondo player