

Daksh Goyal

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

EDUCATION

National Institute of Technology Karnataka

Bachelor of Technology, Civil Engineering

CGPA: 9.38/10

Aug. 2017 – May 2021

Seth Anandram Jaipuria School

Higher Secondary Education(CBSE)

Percentage: 90.8

April 2015 – April 2017

EXPERIENCE

Summer Research Intern

Indian Institute of Technology, Roorkee

April 2020 - August 2020

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

Indian Institute of Technology, Roorkee

May 2019 - July 2019

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

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, L^AT_EX, PostgreSQL, HTML, CSS

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

Developer Tools: Git, Docker, GitHub Actions

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