THRIBHUVAN GUPTA S

Course : **B.E.**, ECE, 2021
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CGPA : 9.25

ACADEMIC DETAILS

COURSE	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
CLASS XII	Nandi International PU College, Bellary	Department of Pre University Education, Karnataka	89 %	2017
CLASS X	Nandi High School	Karnataka Secondary Education Examination Board (KSEEB)	92.4 %	2015

Subjects / Electives	
Technical Proficiency	C++ Language, Python3, C Programming, OpenCV, Django, Tensorflow, AWS, Linux platform, Flutter, HTML + CSS, Dart, Java, Arduino, Raspberry Pi, Scripting Languages, Pandas, Deep Learning

SUMMER INTERNSHIP / WORK EXPERIENCE

Webdevelopment Intern, WiseKreator **May 2020 - Aug 2020**

- Developed a backend Api using Django-Rest-Framework and PostgreSQL
- Deployed the entire backend using Amazon EC2 instance
- Setup a fully functional CI/CD pipeline for the EC2 instance and linked it with GitHub repo
- Implemented Githubflow model to maintain the repo
- Mentored and co-ordinated other fellow interns

Research Intern, Centre of Robotics and Research **Jan 2019 - Present**

- Implemented computer vision algorithms in C++ using OpenCV
- Implemented mutli-threading for better usage of CPU power in Low Power boards like UDOO Quad, Raspberry Pi 3b
- Implemented data mining algorithms for bio-medical applications

PROJECTS

Library Management System - Java **May 2020 - May 2020**
Built a command interface program to carry out library management operations. Built using MongoDB, Java

DataMagic - Democratising Data Analytics for Small Businesses - Deep Learning **Mar 2020 - Mar 2020**
Designed a simple and intuitive web platform for small businesses to upload monthly sales data onto and get predictions and visualisations for future sales. Built using Tensorflow with Keras, React

ShowMeDaWae - A new routing map with road conditions - Deep Learning **Feb 2020 - Feb 2020**
Trained model to detect road conditions through accelerometer sensor data from a user's phone. This is used to map future routes and classify them good/average/bad. Built using TensorFlow with Keras, Google Maps API, React-Native

Vehicle Number Plate Recognition, identification and monitoring for different scenarios - Security and Surveillance **Jan 2020 - Jan 2020**
Built a system to monitor vehicles using OpenALPR, OpenCV, Firebase, Android

Electro Maps - Predicting electricity outrage - Deep Learning **Dec 2019 - Feb 2020**
Scrapped past planned electricity outage data from BESCOM and BBMP combined with weather and population data to train a model to predict future outage in a web portal. Built using TensorFlow with Keras, NodeJS

Automatic Street light and Traffic Density Monitoring - Embedded C **Mar 2018 - Mar 2018**
Built a model using 8051 Microcontroller and Embedded c to monitor vehicles on roads

Bank Management System - Banking **Oct 2017 - Oct 2017**
Built a command line interface program to carry out banking operations

CERTIFICATIONS

CERTIFICATION	CERTIFYING AUTHORITY	DESCRIPTION
Neural Networks and Deep Learning	Coursera	◦ Learnt the basic of neural networks
Intro to Machine Learning	Kaggle	◦ Learnt about basics in machine learning and Scikit Learn
Intermediate Machine Learning	Kaggle	◦ Learnt about various preprocessing techniques ◦ Learnt about decision trees, random forests and XGBoost

COMPETITIONS

DevHack 2.0 **Feb, 2020**
36 hour hackathon held at IIT-Dharwad, Built a ML Powered Power Outage Prediction web app

OnLoad 2.0 **Feb, 2020**
36 hour hackathon held at VVCE, Mysore, Built ShowMeDaWae Web App

VOLUNTEER EXPERIENCE

Art Club NMIT - Role: Events Orgniser | Cause: Arts and Culture **Jan 2018 - Present**

LANGUAGES KNOWN

Telugu, Hindi, Kannada, English