THRIBHUVAN GUPTA S

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OBJECTIVE

My objective is to continuously expand my knowledge and broaden my approach to tackle different type of problems, to contribute my best to the organization.

EDUCATION

Nitte Meenakshi Institute of Technology, Bengaluru *2017 - Present(3rd year)*
Bachelor's Degree in Electronics and Communication Engineering - VTU   Current CGPA: 9.2

Nandi PU College, Ballari *2015 - 2017*
Pre-University education in Science (PCMC) - Karnataka Board   Overall Percentage: 89

EXPERIENCE

Web Development Intern May 2020 - July 2020
WiseKreator, Mumbai *Django, AWS, Git, GitHub, PostgreSQL*

· Virtual intership in this budding startup. Developed a RESTfull API, deployed using a fully functional CI/CD pipeline for an EC2 instance and linked it with GitHub repository.Implemented GitHubflow model to maintain the project. Also Managed and mentored the backend team.

Research Intern Jan 2019 - Present
Centre of Robotics and Research, NMIT, Bengaluru *OpenCV, C++, sklearn, Pillow, skimage*

· Implemented Computer Vision algorithms, mutli-threading concepts for efficient usage of CPU in Low Power boards, data mining algorithms for bio-medical applications, adaptive Image and Video enhancement algorithms. Currently working on the available open-source datasets of Covid affected patients.

PROJECTS

ShowMeDaWae - A new routing map with road conditions Feb 2020 - Mar 2020
TensorFlow with Keras, Google Maps API, React-Native Expo *GitHub* ⬤

· Developed a mobile application to connect the trained model which detects road conditions through accelerometer sensor data from a user's phone. The classified good/average/bad roads are marked with unique color/texture on top of google maps.

Electro Maps - Predicting electricity outrage Nov 2019 - Feb 2020
Flask, Keras-Tensorflow, Openstreet maps, HTML, CSS, JS *GitHub* ⬤

· A web application with a map API that connects the ML model that is trained on scrapped past planned electricity outage data from BESCOM and BBMP combined with weather and population data and predict future outages.

DataMagic - Democratising Data Analytics for Small Businesses Mar 2020
Flask, Tensorflow and Keras, HTML, CSS, JS *GitHub* ⬤

· A simple and intuitive web platform for small businesses to upload monthly sales data onto and get predictions and visualisations for future sales.

Vehicle Number Plate Recognition, Identification and Monitoring Jan 2020
OpenALPR, OpenCV, Firebase, Android *GitHub* ⬤

· A software solution to authorise and monitor vehicles in a closed locality.

Library Management System May 2020
Java, MongoDB

· A Command-line tool to carry out library management operations.

Automatic Street light and Traffic Density Monitoring Mar 2018
Embedded C, 8051 Micro-controller

· A hardware solution to automatically turn the street lights on and off, also to monitor the traffic density.

Bank Management System Oct 2017
C Programming

· A Command-line tool built to handle and carry out various banking tasks.

SKILLS AND ABILITIES

Programming - C, C++, Python, Java (Beginner), SQL.
Web/App Development - HTML, CSS, JS, Flutter.
Frameworks - Django, Flask.
Database - mySQL, MongoDB, Firebase, Amazon RDS.
Data Science - Matplotlib, Scikit Learn & Scikit Image, Numpy, OpenCV, Tensorflow, Keras.
Internet of Things - Arduino, 8051.

EXTRA-CURRICULAR AND ACHIEVEMENTS

- Coordinated and Planned events for **Annadyanta 2018 and 2019** as a member of **Art Club, NMIT** .

- Completed the **Hacktoberfest - 2019** challenge.

- **OnLoad 2.0 - Winners** - Won first place at OnLoad 2.0 a 36 hours hackathon conducted by VVCE, Mysore.

- **DevHack 2.0 - Finalists** - DevHack is a 36 hours hackathon conducted by IIT Dharwad. Got selected for finals and out of 9 finalists across India, our team secured 5th place.

COURSES AND CERTIFICATIONS

Neural Networks and Deep Learning - Coursera

Learn Python - Internshala Trainings

Intro to Machine Learning - Kaggle

Intermediate Machine Learning - Kaggle

PERSONAL TRAITS

- Strong inspiration and motivational skills.

- Leadership, management and organisational skills.

- Comfortable with individual and teamwork.

- Willingness to learn new skills and qualities.

- Can speak confortably in English, Kannada, Hindi and Telugu languages.