

Ghanashyam Bhat

Data Science and Applied Machine Learning Enthusiast

Enthusiastic about learning each and every step of the software development life cycle. Eager to learn new technologies and methodologies. Always willing to innovate the new things which can improve the existing technology.



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EDUCATION

B.Tech in Computer Science and Engineering PES University

12/2020 - Present

Bengaluru, India, CGPA - 9.03

PERSONAL PROJECTS

Emergency Fire Evacuation System

- In this Industry 4.0 project, IoT technologies are used for indoor positioning and environment monitoring; a Firebase database with a Python-based server that calculates the best evacuation route; a Flutter app to request emergency assistance and display evacuation routes for victims, as well as the positions of victims for firefighters.

World Happiness Index - Data Analysis

- Analyzed the "World Happiness Index" dataset consisting of 4 years of data for 150+ countries and came up with very unique inferences and conclusions. We also created a Machine Learning model to predict Happiness Index based on the other factors.

Gaze-Guided Wheelchair using OpenCv

- Tracked the eye movements to control the UI and the wheelchair using pyserial by sending signals to prototype. The UI is created using basic HTML5 and combined with backend python code.

Exploratory Data Analysis of Covid-19 Data

- Project involving data analysis of covid reports in the entire world and presentation of same using the dynamic web page.

Obstacle Avoidance and Impact Detection Bluetooth controlled Robotic Car

- The hardware project involves obstacle detection and avoidance using various sensors like Ultrasonic sensors and force sensors. The Arduino Uno is used to control the robotic movements. A Bluetooth module is used in order to control the car from the remote device.

Bank Management Software

- Banking software developed using C language that supports encryption, user login and information editing.

WORK EXPERIENCE

Machine Learning Intern

Center of Data Science and Applied Machine Learning, PES University

06/2022 - 08/2022

Bengaluru, India

Achievements/Tasks

- Generated a dataset for training the model by the method of feature extraction
- Rating system to generate dataset for Supervised Learning
- Training the best suited model for rating the profile picture based on multiple factors

Android Application development Intern

Interra

09/2022 - Present

Bengaluru, India

Startup under Cisco Thingqinator program

SKILLS

Python

Flutter

Internet Of Things

Applied Machine Learning

Data Science

Microsoft Excel

C (Programming Language)

Research

Competitive Programming

NextJs

Web Development

Git and github

Robot Operating System (ROS)

ACHIEVEMENTS

Winner of Hackathon - 2 (07/2022)

Conducted by CDSAML, PES University

Successfully Completed Datathon 2.0 (04/2022)

Conducted by MahilAI PESU

Winner of Robofest 24-Hour Hackathon (11/2021)

Conducted by IEEE RAS PES University

Successfully Completed Datathon (10/2021)

Conducted by MahilAI PESU

LANGUAGES

English

Full Professional Proficiency

Hindi

Professional Working Proficiency

Kannada

Native or Bilingual Proficiency

INTERESTS

Applied Machine Learning

Data Analysis

IoT and Robotics

Android App Development

Competitive Programming

Cryptography

Cyber Security

Blockchain