Ammar Khurshid

Web Developer

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EXPERIENCE

Formula Manipal, MIT, Manipal

OCT 2017 - JUL 2018

Engine Subsystem - Worked on Dry Sump lubrication of a Honda CBR 600RR engine for the X8 combustion car that competed in Formula Student Austria 2018.

DEC 2018 - JAN 2020

Driverless Subsystem -Spearheaded a team with an objective to convert combustion and electric vehicles into autonomous vehicles. Worked with Internet of Things, Robotics, Image Processing using OpenCV, and Robot Operating System.
The team participated in Formula Bharat 2020 with an electric team, finalists for Ather Energy Software awards.

Web Development Intern, Easyrath

JUNE 2020 - JULY 2020

Developed a web application to use as an inventory tool for a B2B business. Worked with HTML, CSS, Javascript, Bootstrap for front-end design and SQL for the back-end. Used ElectronJs to package the web app as a .exe file for offline use at client side.

Web Development Intern, Viga Entertainment Studio, Bangalore

JUNE 2020 - PRESENT

Developed a Single-Sign-On (SSO) interface for different services offered by the studio using ReactJs, to interact with a Django server using REST API endpoints. Facilitates user authentication and registry, and serves as a dashboard for users, with the ability to subscribe to different services. And look good while doing so.

SKILLS

Languages - Javascript, Python, HTML, CSS, C++, SQL

Technologies- ReactJs, Bootstrap 4, NodeJs, Express, MongoDB, Raspberry Pi, Figma

CERTIFICATIONS

Front-End Web Development with React on Coursera

Front-End Web UI Frameworks and Tools: Bootstrap 4 on Coursera.

ROS for Beginners: Basics, Motion, and OpenCV - Udemy Certification

Introduction to Self-Driving Cars by University of Toronto on Coursera.

The Arduino Platform and C Programming by University of California, Irvine on Coursera.

Data Analysis with Python by IBM on Coursera.

Build an E-commerce Dashboard with Figma on Coursera

Introduction to User Experience Design on Coursera

EDUCATION

Manipal Institute of Technology, Manipal — *B.Tech Information Technology*

2017 - PRESENT

Fourth-year undergraduate.

CGPA - 7.41

DPS Indirapuram, Ghaziabad — 10th & 12th

2011 - 2016

12th - 87%, 10th - 10 CGPA

PROJECTS

Restaurant website using Bootstrap4

Built a website using a mobile-first approach, with the aid of Bootstrap 4 for a sample restaurant.

Technologies used - Bootstrap 4, HTML, CSS, Javascript, JQuery, npm, SASS

Link - https://github.com/zorgonide/Bootstrap-Practice

Restaurant website using ReactJs

Rebuilt the earlier website using ReactJs Framework as a Single Page application, utilising ReactStrap library for Bootstrap 4, and Redux for managing application state. REST API endpoints were defined using json-server node module to serve information to the front-end.

Technologies used - ReactJs, Javascript, HTML, CSS, Redux, REST API, Bootstrap 4, JSON, NodeJs.

Link - https://github.com/zorgonide/ReactCoursera

Weather application using ReactJs

A React application that tells the current weather conditions of any city in the world using OpenWeather API. Bootstrap and ParticleJs used for front-end.

Technologies used - ReactJs, Javascript, HTML, CSS, REST API, JSON, Bootstrap 4.

Link - https://github.com/zorgonide/Weather-App

EXTRA-CURRICULAR ACTIVITIES

Class Representative for First Year, 2017

Volunteer at TechTatva, 2017, TechFest of MIT, Manipal.

LANGUAGES

English and Hindi.

HOBBIES

Technology, Rubik's cube, fitness, history, automobiles.

OTHER LINKS

https://www.linkedin.com/in/ammar-khurshid-757140177/

https://github.com/zorgonide

Tennis ball tracking using camera input.

Detect and track a Tennis Ball using OpenCV on a video feed. Use a webcam to publish image feed and connect to a Subscriber node using ROSBridge.

Technologies used - ROS, OpenCV, Python.

Semi-autonomous four-wheeled bot

A four-wheeled bot that streamed video using Raspberry Pi and camera to a host computer in master-slave configuration to perform obstacle detection and moved around using commands sent from the master computer.

Technologies used - ROS, OpenCV, Python, Raspberry Pi and Arduino

Link - https://github.com/zorgonide/FourWheeledBot