

TANMAY SHARMA

Under Graduate Student, IIIT Gwalior

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WORK EXPERIENCE

Full Stack Developer Intern

Trybotics

December 2019 – January 2019

- Refactored the code for E-learning website of trybotics to make it compatible for server side rendering to enhance performance upto 90% and designed the REST APIs structure and created documentation formatted in YAML using Swagger
- Built a responsive and interactive frontend in ReactJS for the website of E-Music app and integrated the APIs with the frontend
- Used ReactJS, NodeJS, MongoDB, ReduxJS, MaterialUI, Git, BitBucket, Swagger

Website Developer

Abhigyan Abhikaushalam Students' Forum

August 2018 – May 2019

Gwalior, India

- Implemented new standalone pages for more than 30 events conducted round the year and improved the frontend for the forum's website. Used HTML5, CSS, Javascript, Bootstrap

PROJECTS

Utility Robot to Combat Fire Breakout

B.Tech. Thesis Project under Prof. Joydip Dhar and Dr. Ritu Tiwari

June 2019 - August 2019

- Developed a mobile robot car which is able to extinguish fire independently. Detects fire with the help of 3 IR sensors attached to it covering an angle of 180 degrees.
- Can be controlled using a web application through HTTP requests and performs live video streaming which has been implemented using NodeMCU and other IoT components.
- Designed the frontend compatible with ArduinoIDE
- Tools: NodeMCU, ArduinoIDE, HTML, CSS, IoT, OpenCV

Entry Management System

November 2019 - December 2019

- Designed database schema for the entry management to maintain a record of past and present visitors
- Trigger an email using Nodemailer, SMS using Nexmo API to the host for each visitor, implemented REST APIs for check-in, check-out and logbook of visitors
- Tools: ReactJS, NodeJS, MongoDB, ExpressJS

Online Weather Station

March 2019 - April 2019

- Built an interactive UI to display temperature, humidity and pressure trends for the next 7 days in the form of charts using React Sparkline library
- Integrated a widget which uses Google's Geo-location API to show map and satellite view of the cities
- Tools: ReactJS, ReduxJS, Bootstrap

EDUCATION

Indian Institute of Information Technology,
Gwalior(India)

Bachelor of Technology in Computer Science
and Engineering

CGPA 7.91/10.0

2017 – Expected 2021

St. Anselm's North City School, Jaipur

CBSE Board (XII)

Percentage : 89.6%

Grad. 2016

CBSE Board (X)

CGPA 9.4/10.0

2014

SKILL SET

- Data Structures and Algorithms
- Object Oriented Programming, C++, C
- Javascript, HTML, CSS, Bootstrap, Material-UI
- MySQL, MongoDB
- ReactJS, ReduxJS, NodeJS, ExpressJS
- Arduino IDE, Heroku, Linux, Git, OpenMP

ACHIEVEMENTS

- Runner up in Junior Programming Contest at IIIT Gwalior
- Been a contestant in Sankalp Se Siddhi Panel Discussion organised by MHRD
- Received 1st prize in Jest A Minute (Oratory Event) at IIIT Gwalior
- Got 3rd Rank in National Level Competition of Master Mind Abacus

POSITIONS HELD

- Abhigyan Abhikaushalam Students' Forum, IIIT Gwalior(India)
 - External Affairs Head (Aug 2019 - present)
 - Technical Sessions Coordinator (Aug 2018 - May 2019)
- Instructor at inter and intra institute at various technical sessions conducted.
- Event Management Team, Infotsav'19 (Central India's Largest Techno-Managerial Fest), IIIT Gwalior
- Graphic Designer, Abhishar-v8.0, Annual magazine of the Institute
- Promotions Head, MOM 2k18 (Technical Fair), IIIT Gwalior
- Sponsorship Executive, Aurora'18 (Cultural Fest), IIIT Gwalior