



Harsh Tyagi

2nd year Student @BITS Pilani ,Goa

I am a problem solver and I love to build stuff using code that can improve people's lives.

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📍 BITS Goa, India

🐙 github.com/mr-harshtyagi

EDUCATION

Bachelor in Engineering (B.E.) - Mechanical Engineering

Birla Institute of Technology and Science
Pilani , K.K. Birla Goa Campus

11/2020 - Present

Higher Secondary Education ,CBSE

Delhi Public School Ghaziabad

05/2017 - 05/2019

Ghazaibad, UP, India

Academics

- Percentage - 95%

WORK EXPERIENCE

Full Stack Web Developer

Identrix Protocol

01/2022 - Present

Sancoale,Goa

I am currently helping a BITSian crypto startup to build backend for generating digital signatures and certificates.

Achievements/Tasks

- I have build a web application that accepts organization data to generate a RSA key pair for them , signs the data object and then issues a digital certificate to the organisation.
- Currently I am working on creating a permissioned distributed ledger using Hyperledger Fabric framework.

Contact : Vinay ,CEO Identrix - 8431944670

Arduino/Electronics Projects

Personal

01/2019 - Present

Achievements/Tasks

- I have worked on **Arduino based projects** in past in my high school and beyond. I have worked with **ultrasonic sensors, IR proximity sensors, Temperature and Humidity Sensors, motor driver** modules like **A4988,L293D** etc., **WiFi interface modules** like **ESP8266 , NEMA 17 Stepper motors** etc.
- Currently I am working on a **personal project** to design and produce a **fully autonomous wick making machine** . This project is under Workshop Superintendent Mr. Rajiv Shinde and Job request has been approved by HOD, Mechanical Eng. Department.

SKILLS

Javascript

React JS

Node.js

Express JS

Mongo DB (NoSQL databases)

REST APIs

Blockchain Developer

Cryptography and Digital Security

Arduino Programming

C Language

PERSONAL PROJECTS

Blog Website (10/2021 - 11/2021)

- Build a blog website using **Node + Express.js** for backend and **EJS** as a templating engine. This project was made to practice and sharpen my backend skills.

Google Keep Notes Clone (11/2021 - 12/2021)

- I created a clone of google keep notes application. I created this as a practice project for creating a full fledged application using **React.js**

Fooder App (02/2022 - Present)

- I am currently working on a personal project to build a **full stack MERN app** to allow students to order food from in campus food outlets.

Other Mini Projects (06/2021 - 10/2021)

- In the past year while learning to code and during the web development bootcamp, I developed some mini applications as part of practice and personal interest. Some of them includes a **Wikipedia Rest API, OAuth2.0 Login and Session Cookies ,Live weather data App with geolocation feature, some games using JS** and more.
- All these projects are available as public repositories on my GitHub account and some static ones are also hosted using GitHub pages. You can check them out by visiting - <https://github.com/mr-harshtyagi>.

CERTIFICATES

Complete Web Developer Bootcamp 2022
(11/2021 - 03/2022)

I completed the Udemy course certification for full stack MERN developer on March 14,2022.

LANGUAGES

English

Full Professional Proficiency

Hindi

Full Professional Proficiency

INTERESTS

Reading Self Help and Finance Books

Fitness