Tanay Kumar

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Education

Haldia Institute of Technology, Haldia, West Bengal—B.Tech **2018 - 2022**
Electronics & Communication Engineering | GPA: 8.1

K. S. College, Darbhanga, Bihar— Higher Secondary **2015 - 2017**
- *BSEB (Class XII), Aggregate:* 61%

Holy Mission High School, Darbhanga, Bihar **2014 - 2015**
- *CBSE (Class X), CGPA: 8.6 CGPA*

Skills

Python | JavaScript | CSS | HTML | DBMS | MySQL | Git & Github

Projects

Weather App

https://github.com/tanayhit/weather-app-using-Django

A weather app that uses Open Weather API and Django as a backend framework and deployment using Heroku.
This will display the weather of the searched cities. It is a Django project and helps to understand the concepts of Django. Implemented features such as showing current weather. We also had to use the python library requests to get the actual weather data. By this, we use many of the concepts in here with more complexity.

Software/Tech used: Django, Python

Deployment using Heroku

MDN Docs

Smart parking

https://github.com/tanayhit/smart-parking

A parking app that provides Cloud and Web dashboard for real-time visualization of parking slots in The main purpose of this project is to help people find parking slot it provides data like free used and total parking slots technology used in cloud are AWS Amplify AWS AppSync (using multiple authorization types) AWS Cognito. in Web app React is used. the 'smart parking' app serves the people as a guide to parking spaces.

Features of this app:

Authorization (Amplify React component, AWS Cognito)

Show parking slots (GraphQL, AWS AppSync)

Update slot status in real-time (GraphQL subscriptions, AWS AppSync)

College Project

Wireless Communication with Fading Channel

https://bit.ly/38FzwBo

The goal of the project is to perform a BER Analysis of an 8 x 8 Open-loop MIMO system over

Nakagami-m fading channel. This has been established through the implementation of Spatial

Multiplexing and the use of Q-function & its various approximations.

All simulations, plots and analyses have been implemented using MATLAB®.

The simulation results have been displayed by Q(x) v/s.

Academic and Extracurricular Achievements

Public Relation & Event Manager at '**HITian Inside'**.
Mentor at '**Community Classroom**' and **'Samarpan' (Ek soch, ek vishwas).**
Volunteer at **Needs, a non-profit NGO** for helping poor kids by teaching them and providing foods to their family.
Captain of the college football team.
Volunteered and managed college annual fest "**Riviera**" and technical fest "**Prayukti**".

Coding Profile

https://www.hackerrank.com/tanayroy12586