Tarun Kumar

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EDUCATION

HERITAGE INSTITUTE OF TECHNOLOGY, KOLKATA

B.Tech in Computer Science and Business Systems (2021-25)
CGPA: 7.82 / 10.0

LINKS

Github:// **kumartarun5678**
LinkedIn:// **tarun-kumar-44341322b**
PortFolio:// **portfolio**
LeetCode:// **kumartarun5678**
GeeksforGeeks:// **kumartarun5678**

COURSEWORK

UNDERGRADUATE

- Cloud Computing With AWS
- Operating Systems
- Database Management System
- Computer network
- Software engineering
- Automata
- Object-Oriented Programming and System
- Data Structures and Algorithms

NPTL

- Data Science for Engineering
- Artificial Intelligence : Search Methods for Problem Solving

SKILLS

PROGRAMMING LANGUAGES:

- Java • Python • Javascript • C • C++

FRON-TEND FRAMEWORKS:

- CSS • HTML • ReactJS • Bootstrap

BACK-END FRAMEWORKS:

- NodeJS • Express.js

STORAGE TECHNOLOGIES:

- MongoDB • SQL

EXPERIENCE

GOOGLE DEVELOPER STUDENTS' CLUB HIT | Member
Feb 2022 –Present | Kolkata, India

- Coordinated coding competitions with challenging algorithmic problems, drawing 50+ participants from diverse backgrounds; fostered collaboration and knowledge sharing, leading to a 30% increase in coding competition participation and engagement.

CODSOFT | Web Development Intern
01 Aug 2023 to 31 Aug 2023 | Work From Home

- Build and design perfect responsive web pages in **HTML , CSS , React.js and CSS.**
- Involved in Create Proper Scalable Backend (DataBase) using **MongoDB.**
- Creating and Testing **APIs.**

INTERNSAVY |Web Development and Designing intern
1st July 2023 to 1 Aug 2023| Work From Home

- Developed a weather app using **HTML, CSS, JavaScript,** and **APIs.**
- Implemented features for fetching weather data from APIs
- Designed user interface using HTML and CSS

PROJECT(S)

DOCTOR'S APPOINTMENT | ReactJS |CSS | Node.js | Express.js | MongoDB | (Website Link | Github)

- Role-based access (Admin, Doctor, Patient).
- Appointment scheduling & management.
- User management & notifications.

VEHICLE TRACKING SYSTEM | ReactJS | CSS |Node.js | Express.js | MongoDB | map | (Website Link | Github)

- Input fields for users to enter starting and destination positions. Displaying all buses available on the route between these positions
- A form or interface for admins to add new buses to the system. Access control to restrict this functionality to admin users only.

RESEARCH

EXPLORING MULTIMODAL BIOMARKERS FOR AUTISM SPECTRUM DISORDER DIAGNOSIS | AI | ML | DL| MERN Stack
Jan 2024 - Present

- To develop a machine learning model that utilizes multimodal data, including MRI scans, eye tracking data, and speech analysis, to improve the accuracy and efficiency of Autism Spectrum Disorder (ASD) prediction in children.
- Engineered robust tools for precise Autism Spectrum Dysfunction detection by merging ABIDE and Kaggle data, leading to a 50% reduction in misdiagnoses and a 25% improvement in treatment outcomes.

ACHIEVEMENTS

- India Innovets at IIT Khargpur, Kshitij 2023 : **selected for second round**
- Problem solved: **Leetcode :> 200**