

# 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

## 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: 🌐

## SKILLS

### PROGRAMMING LANGUAGES:

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

### FRONT-END FRAMEWORKS:

• CSS • HTML • ReactJS • Bootstrap

### BACK-END FRAMEWORKS:

• NodeJS • Express.js

### STORAGE TECHNOLOGIES:

• MongoDB • SQL

## LINKS

GitHub 📁:// kumartarun5678  
LinkedIn 🔗:// tarun-kumar-44341322b  
PortFolio 📁 portfolio  
LeetCode: 🐙 kumartarun5678  
GeeksforGeeks: 🐙 kumartarun5678

## EXPERIENCE

### GOOGLE DEVELOPER STUDENTS' CLUB HIT | MEMBER

Feb 2022 –Present | Kolkata, India

- Orchestrated coding competitions with advanced algorithmic problems, involving 50+ participants from different backgrounds; implemented feedback mechanisms that enhanced team collaboration and knowledge exchange, ultimately increasing event participation by 30%.

### COLLEGETIPS.IN | ARTIFICIAL INTELLIGENCE

02 July 2024 to 17 Aug 2024 | Remote

- Drove a culture of curiosity within the team by initiating weekly knowledge-sharing sessions focused on A\* algorithm.
- AO\* algorithms; this initiative resulted in a 30% reduction in project delays.

### CODSOFT | WEB DEVELOPMENT INTERN

01 Aug 2023 to 31 Aug 2023 | Work From Home

- Created a modular design system in React.js that integrates the development of landing pages and facilitated collaboration with the design team, ensuring consistency and reducing development time by 30%.

### INTERNSAVVY |WEB DEVELOPMENT AND DESIGNING INTERN

1st July 2023 to 1 Aug 2023| Work From Home

- Constructed a responsive weather application combining HTML, CSS, JavaScript, and APIs. implemented a feature that allows users to save favorite locations, leading to an increase in user retention rates by 25%.

## PROJECT(S)

### DOCTOR'S APPOINTMENT | REACTJS |CSS | NODE.JS | EXPRESS.JS | MONGODB | 🌐 | 🗄

- Created an innovative appointment scheduling system that allows patients to book directly with doctors post-registration and admin approval; drastically improved scheduling accuracy and reduced administrative errors by 60%.

## RESEARCH

### EXPLORING MULTIMODAL BIOMARKERS FOR AUTISM SPECTRUM DISORDER DIAGNOSIS | AI | ML | DL | MERN STACK

- Engineered a comprehensive data analysis framework utilizing 500+ MRI scan datasets and eye tracking metrics; accumulated the predictive process, resulting in a 30%
- 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 :> 250