

Tanish Chowdhury

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Education

Indian Institute of Information Technology, Allahabad, BTech in Information Technology - Business Informatics Sept 2023 – May 2027

- GPA: 7.67/10.0
- **Coursework:** Data Structures, Design and Analysis of Algorithms, Computer Networks, Operating System, Database Management Systems, Object Oriented Programming, Operations Research, Computer Architecture

Experience

CodePlus Teaching Assistant, IIIT Allahabad January 2024 - Present

- Mentored junior students in competitive programming and data structures & algorithms
- Organized coding competitions, training sessions, and workshops to enhance students' problem-solving skills
- Developed leadership, communication, and organizational skills through mentoring and event organization.

Projects

AI-Powered Personalized Mobile Wellness App

- Developed a mobile app that tracks user activity and provides personalized wellness recommendations using machine learning.
- Skills Used: Python, Java, TensorFlow Lite, Core ML, Firebase, React Native, SQL

Predictive Analytics for Public Health

- Built a predictive model to forecast disease outbreaks (e.g., COVID-19, flu) using public health datasets.
- Skills Used: Python, R, Pandas, Scikit-learn, Time Series Analysis, Data Visualization (Matplotlib, Seaborn)

Big Data Infrastructure for Smart Cities

- Designed a big data pipeline to analyze traffic patterns and optimize mobility in urban areas.
- Skills Used: Hadoop, Spark, SQL, Python, Cloud Computing (AWS/GCP), Data Engineering

Technologies

Programming Languages: Python, R, SQL, C++ , Java

Machine Learning & AI: TensorFlow, PyTorch, Scikit-learn, Keras, OpenCV

Big Data & Cloud Computing: Hadoop, Spark, PySpark, Apache Flink, AWS, Google Cloud, Dask

Data Science & Analytics: Pandas, NumPy, SciPy, Matplotlib, Seaborn, Plotly, Tableau, Power BI

Mobile Computing & Web: TensorFlow Lite, Core ML, React Native, Kotlin, Firebase, Android Studio

Extracurricular Activities

- Member, AI/ML Wing - Geekhaven, IIIT Allahabad
- Senator, Student Gymkhana - IIIT Allahabad
- Vice Captain, Soccer team - IIIT Allahabad

Certifications

- Machine Learning Specialization, DeepLearning.AI - Coursera
- Deep Learning Specialization, DeepLearning.AI - Coursera
- Data Mining Specialization, University of Illinois - Coursera
- Big Data, University of California, San Diego - Coursera