

RAUSHAN RAJ

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EDUCATION

- **Indian Institute of Information Technology Allahabad** Prayagraj, Uttarpradesh
B.Tech in Information Technology ; CGPA: 7.05 till 6th Semester July 2018 – June 2022(Expected)
- **Shaheed Bhagat Singh Inter College** Japla, Palamu, Jharkhand
Class XII ; Qualifying Board - JAC, Ranchi June 2016 – July 2018
- **Harvey Sone Valley High School** Japla, Palamu, Jharkhand
Class X ; Qualifying Board - JAC, Ranchi April 2014 – May 2016

PROJECTS

- Data Aggregation in Wireless Sensor Networks** **Tech Stack :** Contiki-OS, Cooja Simulator, C
- Implemented data aggregation of packets to reduce the energy consumption and also to optimize the communication overhead.

- Water Quality Index** **Tech Stack :** Python, Numpy, Sklearn and Matplot Library
- Developed a model using PCA and did allocation of weights using factor analysis for the development of a novel water quality index.

- Cricket Shots Classification using CNN** **Tech Stack :** Python, Tensorflow, Sklearn Library
- Developed a model using CNN to classify input images of different cricket shots into 6 different categories namely Cover Drive, Straight Drive, Cut Shot, Pull Shot, Scoop Shot and Leg Glance.
 - Achieved an overall accuracy of 92.2%.

- Safarnama, Car Sharing Web App** **Tech Stack :** CSS, PHP, JavaScript, MySQL
- Grouped together in a team of 5 members and designed the front end part of web application, which allows users to share the ride with another user travelling for a common destination at the same time.

SKILLS

- **Programming Languages :** C, C++, Java, Python
- **Relevant Coursework :** Data Structures and Algorithms, Operating Systems, Object Oriented Methodologies, Database Management System
- **Web Technologies:** HTML, CSS, JavaScript, PHP, MySQL
- **Tools Used :** Visual Studio Code, IntelliJ, Code Blocks, Netbeans, PyCharm, Latex

ACHIEVEMENTS

- **Global Rank 369** among 12k+ participants in Codechef July Cook-Off (Division 2) 2020.
- **3 star at Codechef , Highest Rating : 1630**

POSITION OF RESPONSIBILITY

- Head of Marketing and Sponsorship – Asmita, IIIT Allahabad** Dec 2020 – Present
- Managed funding for the sports fest (Asmita'21) through various sponsorships.
- Senior Member – Prayaas, IIIT Allahabad** Feb 2020 – Mar 2021
- An initiative that provides free education to underprivileged students.