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EDUCATION

Year	Degree/Certificate	Institute/Board	CGPA/Percentage
2015 - 2019	B.Tech	Indian Institute of Technology, Guwahati	8.42 (Current)
2015	Senior secondary	CBSE board	94.3%
2013	Secondary	Maharashtra State Board	89.4%

PROJECTS

1. Technothlon Online event : Fluxo-de-Energia

Sep 2016

A Visually attractive web-based game inspired from Virtual Stock Market https://goo.gl/NJjrNF for school students. It enables students to experience how stock market functions in a fun way. Technologies used: Laravel (PHP), mySQL

2. Android App for Technothlon

https://goo.gl/esa5iC

Contributed to the backend development for the app based on cordova engine.

Technologies used: Apache Cordova, jQuery, Ajax, Assemble.

3. OMR Checker Summer 2017

Self-made project

Created a full-fledged OMR checking software that can

https://goo.gl/rjnmqu

- 1. Read OMR sheets scanned at any angle and having any color
- 2. Evaluate them by a customizable marking scheme with section-wise marking, bonus questions, etc. Technologies used: openCV (python)

4. Rubik's Cube Solver Robot

Mar 2017

Robotics Club, IIT Guwahati.

Using Image processing, Arduino, simple Acrylic parts and Servo motors to make a robot that solves the Rubik's cube.

https://goo.gl/tpCTF2

Technologies used: openCV (python), Arduino

EXPERIENCES

1. Application of RNN in protein genomics

Prof. Rajat Kumar De, Head, MIU, ISI Kolkata.

Summer 2017

- 1. Implemented basic ML models from scratch Linear & Logistic regression and Multi Layer Perceptrons
- 2. Made an LSTM model for Protein Family Classification on the uniprot database.
- 3. Made a deep learning model for Protein Secondary Structure classification

Key libraries: tensorflow, pandas, numpy

2. Online Head, Technothlon 2017

http://technothlon.techniche.org

Sep 2016 - Sep 2017

Created a complete web based solution that provides various services for different user accounts:

For students: Online quizzes, admit-card generation, registration payment portal

For organizers: An interface to upload student list, manage accounts, school details & centers.

For admins: View & manage any registrations and all the above tasks.

Key technologies: Laravel(PHP), jQuery, mySQL.

TECHNICAL SKILLS

- **Programming languages**: C, C++, Python, VHDL
- Web technologies: Laravel (PHP), HTML, Bootstrap/CSS, Javascript, JQuery, mySQL
- Miscellaneous: Git, Bash, Octave*, LaTeX*, LMMS (Music Studio), Android programming *
 - * Elementary proficiency

POSITIONS OF RESPONSIBILITY

- City representative, Sangamner(Maharashtra), Technothlon 2016

 Conducted the exam single handedly in my city with a participation of over 200 students.
- Core Team Member, Technothlon 2016
 Prepared logic-based questions for Technothlon and planned events for its second level i.e. Mains that takes place at IIT Guwahati.
- Chief Organizer, Technothlon 2017

Leading a team of about 300 organizers for the successful conduction and publicity of Technothlon, the international school championship in more than 350 cities across the nation.

- Hostel Coordinator, Saathi Counseling Service, IIT Guwahati, 2017 Conducted mentor-mentee interaction sessions to bridge the communication gap between freshers and seniors in the college.
- Mentor, Saathi Counseling Service, 2018
 Guided fellow juniors for their academic development and mental well being.

ACHIEVEMENTS

- **JEE Advanced 2015**: Secured **AIR 800** among 0.15 million candidates appearing for the Exam.
- Was among the top 10 of all students (650+) at IIT Guwahati in the freshman year.
- Obtained AS Grade in the course "Introduction to Design DD210M" in 2016.
- CodeChef SnackDown 2017: Secured rank 615 among 21,038 teams from 116 countries in the Pre-Elimination round.
- ACM ICPC 2018: Qualified for Regionals at Amritapuri Site and secured a rank of 102 in the onsite competition.

KEY COURSES TAKEN

- Data Structures Lab & Theory
- Discrete Mathematics
- Linear Algebra
- · Software Engineering Lab & Theory
- · Operating System Lab & Theory

- Algorithms
- Optimization*
- Networks Lab & Theory*
- Databases Lab & Theory*
- · Compilers Lab & Theory*
 - * to be completed in May 2018

EXTRACURRICULARS

- Participated in the event 'Dashboard' in 5th Inter-IIT tech meet held at IIT Kanpur in March, 2017
- **Kriti 2016**: Participated in the event of 'Pitch It', a startup ideation competition in the Inter-Hostel Technical Competition.
- Manthan 2017: Bagged 2nd position in Inter-Hostel Charcoal Painting competition.
- Manthan 2016: Participated in 'Footloose', the Inter-Hostel Dance Competition
- Hobbies: Stunts, Electronic Music, Photography, Table Tennis, Sketching, Charcoal Painting