

SCHOLASTIC ACHIEVEMENTS

- Secured **97.56 percentile** in **IIT JEE-Advanced** out of 160,000 candidates. (2017)
- Secured **99.5 percentile** in **JEE-Main** out of 1.2 million candidates. (2017)
- **DTSE :** (2015-16)
Divisional talent search examination *Uttar Pradesh*
 - It is a quiz contest similar of NTSE, held over 12 districts in which about 30,000 students participates.
 - Got **1st prize** (Bike) in 9th std (middle category 2014), **2nd prize** (amount 21000 INR) in 10th std (middle category 2015) and **2nd prize** (amount 16000 INR) in 8th std (junior category 2013).
- Got **1st prize** in 10th std (senior category 2014), **2nd prize** in 8th std (junior category 2013) in Baudhik Gyan Pratiyogita, a District level (**Quiz Contest**) held in S.D.R.L. College Balrampur.

SCHOLARSHIP

- **Dakshana Scholarship:** (2015-16)
an NGO in Pune
 - Secured **99.9 percentile** in **NDST** out of 45,000 Navodayan candidates from all over India. (2016)
 - Got the scholarship for free coaching of IIT-JEE 2017 along with 11th and 12th standard study expenses.
- **JNVST :** (2010)
Jawahar Navodaya Vidyalaya selection test *Balrampur*
 - Secured **99.9 percentile** in **JNVST** out of 6,000 candidates in Balrampur District .
 - Got the opportunity to study in Jawahar Navodaya Vidyalaya Balrampur (a government running school) for free of cost from 6th till 10th standard where government paid my all study expenses. (2010-15)

PROJECTS

Progress Tracker Android app *Autumn 2018*
Guide: Prof. Soumen Chakrabarti *IIT Bombay*

- A webclient, accessible for instructor that allows real-time view of data related to progress of students, and questions that need to be addressed corresponding to particular checkpoint.
- An android app, accessible to students that receive questions regarding progress, also short quizzes etc.
- A backend server that stores and manages all data and serves as response to web client and android application.

Kakuro Solver *Spring 2018*
Guide: Prof. Amitabha Sanyal *IIT Bombay*

- Designed a Single player kakuro game in **Racket** using **Racket Graphical Interface**.
- Implemented mouse and keyboard functionality using big bang function.
- Added audio to the game using **RSound** package.
- Used **2htdp/universe** and **2htdp/image** for simple image manipulation.

Elementary Sat Solver *Spring 2018*
Guide: Prof. Amitabha Sanyal *IIT Bombay*

- Designed a simple **Racket** based elementary **SAT-solver** for **conjugation normal form** expressions based on **Davis-Putnam-LogemannLoveLand(DPLL)** procedure.
- Implemented simple procedures such as **Unit Propagation** and **Literal Elimination**.

Matcher for Regular Expressions

Guide: Prof. Amitabha Sanyal

Spring 2018

IIT Bombay

- Implemented a **matcher** for regular expressions in **Racket**, similar to **egrep** mechanism.
- Incorporated a function to interpret and convert the **tree form** of regular expressions into **graph**.

My Homepage

Guide: Prof. Soumen Chakrabarti

Autumn 2018

IIT Bombay

- Created a homepage that has my complete profile, my schedule etc. using HTML, PHP and JavaScript.
- Contains a comment section, also information about my projects, teammates, contact information etc.

TECHNICAL SKILLS

Computer Languages	Proficient in C++, C, Python, Java, Bash
Front End Web Development	HTML5, CSS3, JavaScript, JQuery
Back End Web Development	PHP, Java Server Pages
Tools and Softwares	Android Studio, Git, AutoCAD, L ^A T _E X, MakeFiles, CMake, SolidWorks, MATLAB

COURSES UNDERTAKEN

Computer Science Data Structures and Algorithms + Lab*, Discrete Structures*, Data Analysis and Interpretation*, Software Systems Lab, Design and Analysis of Algorithms**, Digital Logic Design + Lab**, Logic for Computer Science**, Computer Networks + Lab**, Abstractions and Paradigms in Programming + Lab, Computer Programming and Utilization

Mathematics Calculus, Linear Algebra, Differential Equations

Others Introduction to Electrical and Electronics Circuits, Quantum Physics and Application, Basics of Electricity and Magnetism, Engineering Graphics and Drawing, Physical Chemistry, Organic and Inorganic Chemistry, Biology

***to be completed by April 2019*

POSITIONS OF RESPONSIBILITY

• ABHYUDAY :

a Social Body

IIT Bombay

- Working as **WEB Coordinator** (ongoing, 2018-19) and worked as Web **Organizer** for **Social fest** (Jan, 2018).
- Prepared database of people and companies for sponsorship invited N.G.O. delegates and news reporters and arranged different events.
- One month **Teaching** experience and making awareness regarding IIT-JEE in Maharana Pratap Gramodya Inter College (local school) under guidance of Indira Gandhi National Open University (**I.G.N.O.U.**). (June, 2018)
- Dramatics Organizer during **Mood Indigo** where we made flyers, managed people participation and maintained their database, invited famous judges for dramatic contests. (Dec, 2017)

EXTRACURRICULAR

- Completed regional and selected for **National** level in **Archery** under Jawahar Navodaya Vidyalaya Samiti S.A.I. in under nineteen category. (2015)
- **N.C.C.:** (2017)
National Cadet Corps IIT Bombay
 - Completed **Annual Training Camp** in which about 8 colleges participate every year.
 - My **Volleyball** team was **Champion** among all A.T.C. teams from different colleges.
 - Participated in Republic Day **Parade**, **Blood Donation** (Balasaheb Thakery Blood Bank), **Culturals** (Fire camp, Video making and dramatics), **Rifle** firing.
- Participated in FourthWall Dramatics, **Street Play** IIT Bombay on behalf of H-5 and Got **3rd prize**. (2017)