

ADITYA KUMAR

Roll Number: 106117005

B.Tech -Computer Science and Engineering

National Institute of Technology

Tiruchirappalli, India

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Educational Qualification:

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2017-Present	Computer Science and Engineering	NIT, Trichy	8.84
2017	Class XII	KENDRIYA VIDYALAYA ISP, NASHIK	95.8%
2015	Class X	KENDRIYA VIDYALAYA ISP, NASHIK	10.0

Academic Achievements:

- Among the **top 40 students in India** selected for **Sakura Science Exchange Program'16** to represent India in Japan.
- Received a **letter of appreciation** for exceptional performance in 12th CBSE Board from the then education minister.
- Secured 97.43 percentile rank in India as per the survey assessing the quality of engineering education in higher education institutions in October-November 2017 by Stanford University, USA.
- **Third Place** in **Pragyan Hackathon** event at Pragyan'19, annual national level technical fest of NIT, Trichy.
- **Second Place** in **Three's a crowd** event at Pragyan'19, annual national level technical fest of NIT, Trichy.
- Secured a global rank of **282** in **Google Kickstart Round B 2020**.
- Secured **Second** position in **Algorithms Contest - 2018** organised by Delta Force in NITT.
- Secured **Third** position in **Algorithms Contest - 2018** organised by Spider R&D in NIT.
- Code Chef Rating **2166** (Secured Global rank of **136** in February Lunchtime 2019 Div 1)
- Codeforces Rating **1956** (Secured Global Rank of **93** in Codeforces Round #670 (Div. 2))
- Among the **top 40** teams to be selected among over 1000 teams from all over India in **SRM Hackathon 2019**.
- Among the **top 10** students in Nashik selected for Mcleodganj Adventure Camp 2015.
- Secured **First** Position school in many Olympiads organised by SOF from class 7th to 10th.
- Member of Algos Team, Spider, the R&D Club of NIT Trichy.

Internship Experience:

- **Software Engineer Intern at Microsoft, Hyderabad Campus (Virtual)** *May 2020 - July 2020*
Worked on unification of two massive frameworks encapsulating cross-cutting concerns of Supply Chain Services to increase developer productivity and time to market. The project was built in C# and .Net Core. Migrated two capabilities of the library into the unified framework and wrote unit tests to improve the code coverage from 2% to around 92%. Created documentations for all the public APIs and classes that were exposed by the framework. Built an azure pipeline to build, test and release the libraries as NuGet packages. I also worked with redis cache capabilities of the framework and was able to implement some improvements and design changes.
- **SDE Intern at WeCP, Bangalore** *May 2019 - July 2019*
Fixed business critical front-end bugs of code evaluation system. The fixes significantly improved user and admin journey on the product. Upgraded the source code of the product from Angular 4 to Angular 8 which helped the company close critical backlogs due to version conflicts. Integrated sentry (an open source tool) for better error/bug reporting in the product which helped the product create an efficient mechanism for capturing bugs automatically and have them fixed faster. Built a few static landing pages for a b2c product of the company which helped the company complete the product pipeline better.

Technical Skills:

- **Programming Languages** : C++, C#, Javascript, TypeScript, Python, HTML, CSS
- **Engineering Software** : Git, Octave
- **Other Software** : NodeJS, Angular, JQuery, MongoDB, MySQL, Django

Positions of Responsibility:

- **Core Team Member, Tennis team of NITT, Trichy** *Feb 2020- Present*
Led the team and participated in several inter college tournaments organised by IITs, NITs, and other colleges.
- **Problem Setter, HackWithInfy** *July 2019 - July 2019*
Set and tested algorithmic challenges of various difficulty levels for HackWithInfy 2019 (hackathon organised by Infosys) round 2.
- **Contest Organiser, Spider R&D** *Dec 2019 - Jan 2019*
Organiser, question setter and tester for Tri NITarian Coding Cup (A collaboration between NIT Trichy, NIT Warangal and NIT Surathkal) . Successfully conducted the contest with around 1000 participants.

Extracurriculars / Co-Curricular Activities:

Projects:

- **Sorting Audiolizer-Visualizer** *Dec 2020 - Jan 2020*
Made a Web App that shows how different sorting methods work using animations. The app also produces sound, where the frequency of the audio depends on the magnitude of element being compared. Has more than 20 different sorting algorithms (JavaScript and Canvas API).

- **Genius, Chrome Extension**

Jan 2019 - Feb 2019

Made a Chrome extension that would tell the meaning of selected word. It supports several languages and shows multiple meanings based on the context. It also gives the correct pronunciation of the word (JavaScript and Browser APIs).

- **Comic Downloader**

Dec 2018 - Jan 2019

Made a Web Scraper to search and download comics from the internet. It searches the comic on the website and downloads the entire comic, makes a neat folder structure for each chapter and stores the comic in pdf format. (Python)

- **To Do App**

Dec 2018 - Jan 2019

Made a Todo App with authentication. Users can create todo lists, set priorities, edit and delete the todo items from their list. They can also set up meetings with other users (NodeJs, MongoDB, JQuery and Bootstrap).

Sport Activities:

- Represented KVS two times in **SGFI** in lawn tennis during the year 2013-14 and 2011-12
- **Best player** award in Spardha'19 in lawn tennis, annual sports fest of IIT BHU.
- **Best player** award in Sportsfete'19 in lawn tennis, annual sports fest of NITT.
- Secured **first** place in Lawn Tennis in the year 2017, 2018 and 2019 in Sportsfete in lawn tennis.

Cultural Activities:

- Participated in Drawing and Arts competition in NITTFEST'19 and '20, annual inter department competition of NIT Trichy

Hobbies:

- Writing blog on medium
- Sketching, posting most of my sketches on Deviant Arts