Ritvik Aggarwal

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Education

B.Tech in Computer Science & Engineering   **2019 – Present**
National Institute of Technology Puducherry   *CGPA - 8.61*

Scholastic Achievements

- Secured **92 percentile** in JEE Advanced (IIT-JEE) 2019 among 160 thousand students
- Secured **98.65 percentile** in IIT-JEE Mains 2019 amongst 1,000,000+ candidates
- Bagged **All India Rank 2** in Global Mathematics Olympiad 2017

Interests

Software Development, Full-stack Development, Data Science, Data Structures & Algorithms, Graph theory

Technical Skills

Programming: Proficient in C++/C, Python, MySQL, HTML, JS, CSS, Java(intermediate)
Library & Tools: Pandas & NumPy, Git, Ubuntu, AngularJS, Jupyter

Projects & Intern

Software Engineering Intern   **Airtel, Manesar**
Network Operations Center(NOC)   *Apr'22–May'22*
- Developing frontend and backend modules using python on Django web framework
- Build and optimized SQL queries for improved performance and usability of users broadband data.

Inventory Management System
- Created a simple web application for online inventory management system using PHP, MySQL database, JavaScript, HTML, CSS Modal, Ajax, and Bootstrap.
- This system contains admin and users where admin can add, edit, delete and manage users, groups, products, orders, company and profile, etc.

Financial Calculator
- Designed a financial calculator to perform various complex calculations of financial metrics like loan, amortization, future and present value, sales tax, salary, inflation, profit margin, etc.
- Application can be used by salaried employees, financial advisors and businessmen.

Text-to-Speech
- Developed an application that speaks any written sentence by using gTTS, tkinter, playsound libraries

Positions of Responsibility

Placement Coordinator | *CSE Batch-2019*   **Mar'22 – Present**
- Part of a 4 member team responsible for planning & executing placement operations for 200+ students

Overall Head | *LEAP 2019*   **Jul'19 – Jan'22**
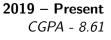- Leading LEAP, a non-profit organization by NITPY, and managing 80+ tutors & preparing exam papers
- Devoted 90+ hrs. in teaching 550+ underprivileged higher secondary students for JEE Mains exam
- Initiated e-classes, e-doubt sessions & provided online study material to the students during the lockdown

Key Courses Undertaken

Data Structures, Programming Paradigms, UNIX Programming, Graph Theory, Database Management System, Artificial Intelligence, Operating System, Cloud Computing, Pattern Recognition, Web Technology

Extracurricular Activities

- Chess player at chess.com with Blitz and Rapid rating 1100+
- Participated in badminton and hockey tournament organised by Sports Club of NITPY
- Performed various songs both solo and with band as a member of Music and Singing Club of NITPY
- Contributed to wall painting & cardboard crafting organised by Arts and Crafts Club of NITPY