

Sarthak Giri

Kathmandu, Nepal

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### Academic Profile

1. **CGPA 9.35(up to 4<sup>th</sup> Semester)**, during Btech Computer Science and Engineering at Vellore Institute of Technology, Tamil Nadu, India.
2. Two years of high school from St. Xavier's College, Maitighar with **GPA 3.86 in grade 11 and 12. (Top 10 out of 550 students)**.
3. Attended 10 years of schooling from grade 1 to 10 at St. Xavier's School Godavari with **GPA 3.95 in grade 10 national board exam. (BATCH TOPPER)**

### Academic National and International Achievements:

1. Rank 860, in December Cook-off Code Chef Global Competition
2. Selected to represent Nepal in 61<sup>st</sup> International Mathematical Olympiad, St. Petersburg, Russia. 6 contestants represent the country each year.
3. Silver Medalist in SOMES National Physics, Math Olympiad Conducted by Pulchowk Engineering College, Tribhuvan University.
4. Rank 75<sup>th</sup> in National Engineering Exam in Nepal among more than 16,000 students.

### PROJECTS and EXPERIENCES

1. 2-month summer internship at Department of Computer Science and Engineering, IIT Kharagpur under the guidance of Prof. Pabitra Mitra. I worked on the project Intrusion Detection System using Machine Learning.
2. **BPCS and RSA mingle**: Project made for the Cyber Security Course to demonstrate the efficacy of the BPCS algorithm over other existing algorithms, and depict the security enhancement when BPCS steganography is further integrated with encryption with RSA using the image processing tool in the Python library.
3. **MOVIE RECOMMENDATION SYSTEM**: Build a content based recommendation system using machine learning techniques using Kaggle Movie Dataset.
4. **Matrimonial Website with Hybrid Recommendation System**: End-to-end dynamic website with hybrid recommendation algorithm to show the recommendation based on search history.

### SKILLS

Java, JavaScript, C, C++, Python, Oracle

### Honors and Awards:

1. Academic Excellence Merit Scholarship award by VIT, Vellore for outstanding academic performance in 2020-2021.
2. Indian Embassy Complex Scholarship for top meritorious Nepali Students to study with full scholarship in VIT.

### Extracurricular:

1. Participated in Indian International Model United Nations in high school representing the college.
2. Teaching Assistant at Bagisha Nepal, coaching institute where I tutor students of grade 11-12 for their board exams and engineering entrance exam.