

# VICKY KUMAR YADAV

@ vickyadav016@gmail.com

☎ +91-9101033299

📍 NIT Silchar, Assam

in <https://rb.gy/xtuosj>

## EDUCATION

### Bachelor's Degree

#### NIT Silchar

📅 2017-present 📍 Silchar, Assam

- Major: Computer Science and Engineering
- CGPA: 7.79/10

### Senior Secondary

#### Cotton College

📅 2017 📍 Guwahati, Assam

- Percentage: 75.40

### Higher Secondary

#### Happy Child High School

📅 2015 📍 Guwahati, Assam

- Percentage: 92.8

## PROJECTS

### Determining prominent districts in India

- Developed an algorithm to calculate the prominent districts in a state using **Betweenness Centrality**.
- For all **28 states** of India the dataset was collected for more **1,000 districts** and their neighbours.
- Tech Stack: C++ for algorithm, Python(NetworkX library) for graphs.

### Backend Web App using CodeChef API

- Developed a CodeChef Web Application which takes Tags of problems as input from users and return all problems related to that tag using codechef **API** for practice.
- It also had a **authentication system** using **OAuth 2.0**
- Tech stack: PHP, HTML.

### Detection of community in graph

- Implemented **Grivan Newman algorithm** and modified it to find multiple communities in a network.
- Tested on 3 set of dataset of more than **1,500 entries**.
- Tech Stack: Python NetworkX library.

## INTERNSHIP

### Software Development Intern at OPTUM UHG

📅 June - July 2020

- It was converted to training in which various courses were provided from OPTUM on a Percipio tool where I took the Data Structure course.

## SKILLS & INTERESTS

### Concepts

Advanced Data structures and Algorithms, Problem solving

### Programming Languages:

C, C++, Python(basics)

### Database Management:

MySQL

### Web Technologies

HTML, CSS, PHP.

## ACHIEVEMENTS

### NITS HACKS 3.0

📅 October 2019 📍 Silchar

- NITS HACKS is an event of Technical festival of NIT Silchar which consists of Coding contest, Software & Hardware Hackathons.
- Our team was in **top 5** in the coding competition.

### HACK LOCKDOWN 1.0

📅 May 2020

- It is a coding contest organized by Pranveer Singh Institute of Technology on **Codechef**.
- I stood **1st** in the contest.

### Competitive Coding Profiles

- **Expert** on **Codeforces** (odukmai)  
Maximum Rating:- 1851  
[www.codeforces.com/profile/odukmai](https://www.codeforces.com/profile/odukmai)
- **4 Star** on **Codechef**  
Maximum Rating:- 1862  
[www.codechef.com/users/vicky\\_1111](https://www.codechef.com/users/vicky_1111)

## RESPONSIBILITIES

### Senior Member & Instructor

#### Coding Club NIT Silchar

📅 2018-2021 📍 Silchar, Assam

- Coding Club NIT Silchar is a group of coding enthusiasts in which we have conducted classes for more than 100 students of 1st and 2nd year of college.
- Organising contest for competitive coding in college know as NITS LOCAL where more than 200 student participate.