

# ANKIT KUMAR

## DEVELOPER | DESIGNER

Indian Institute of Technology (BHU) Varanasi

@ cgankitsharma@gmail.com    📍 Bokaro, Jharkhand  
in cgankitsharma    🌐 AnonySharma

## PROJECTS

### TrashMap

#### Mobile App as Municipality Issue Raiser

📅 August 2020 – Present

- Made an Android application using Flutter Framework and Google Firebase.
- Contributes to the waste management system, it generates a heat-map which shows the density of issues raised in a particular area.
- Provides a platform for citizens to raise the issues related to waste along with the location stamp. Local municipalities get a list of issues nearby and can strike them off as they are done.
- **Project Repository:** TrashMap
- **Exposure:** Flutter, Firebase, Google Maps API

### Health++

#### Web App to help you manage your diet

📅 October 2020 – December 2020

- Designed a Django based Web application using SQL database and HTML, CSS, JS.
- Provides a platform for users and dieticians to manage the diet and calories consumption.
- **Project Repository:** Health++
- **Deployed App Link:** Health++
- **Exposure:** Django, MySQL, HTML, CSS, JavaScript, Heroku

### Deep Learning Based Morphological Analysis for Bhojpuri Natural Language Processing Project

📅 January 2021 – May 2021

- Improved a multi-task learning CNN-RNN model combined together with the potential of task-optimized phonetic features to predict the Lemma and Tags of any language
- Used Unsupervised Domain Adaptation(UDA) to train the model on the training data of Hindi, and then testing it on Bhojpuri which resulted into around 70% accuracy.
- **Project Repository:** DLB-MAB
- **Exposure:** Neural Networks, NLTK, UDA

## RELEVANT COURSES

- Computer Programming
- Data Structures and Algorithms
- Operating Systems
- Computer System Organization
- Database Management System
- IT Workshop (Python and Django)
- IT Workshop (Bash)
- Artificial Intelligence

## INTERNSHIPS

### Sogage Software Pvt. Ltd.

#### Full Stack Software Developer

📅 Nov 2021 – Present

- Developed blazing-fast UI using React.js, decreasing the page loading time from 5s to 2s.
- Helped the integration of feeds from Facebook using GraphAPI, processed in Django and stored in CBT.
- **Exposure:** React.js, Django Rest Framework, Google Cloud, Big Table

### Acadza Technologies Pvt. Ltd.

#### Graphic Designer

📅 April 2020 – May 2020

- Was one of the initial members of the company.
- Made brochures and front-end templates for the company's website.

## EDUCATION

### Computer Science and Engineering

#### Indian Institute of Technology (BHU) Varanasi

📅 July 2019 – Present | Expected July 2023

CPI : 9.09

## RATINGS

**CodeChef:** 1990 (4\* Coder)

**CodeForces:** 1628 (Expert)

**HackerRank:** 1589 (6\* in C++)

## TECH STACK

### Programming Languages

C++   C   Python   Bash  
JavaScript

### Tools and Frameworks

React.js   Django   Flutter   Git  
Firebase   LaTeX   Linux   MySQL  
HTML   CSS   DRF (Basic)  
React Native (Basic)

## POSITION OF RESPONSIBILITY

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### Problem Setter in CodeStart'21

#### Codefest'21 | Department Fest of CSE, IIT(BHU)

📅 March 2021

- Framed a few questions in the contest organised on HackerRank.
  - More than 300 students all around the globe participated in the contest.
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### Problem Setter in NP-Compete'21

#### Selection test for Competitive Programming Group IIT(BHU)

📅 January 2021

- Framed a few questions in the NP-Compete contest organised on HackerRank.
  - More than 1000 students all around the globe participated in the contest.
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### Core Member of Tech Team Spardha

#### Spardha'20 | Annual Sports Fest, IIT(BHU)

📅 August 2020

- Managed and Developed a responsive website for the fest.
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### Member of Competitive Programming Group, IIT(BHU)

#### The Core programming group of IIT (BHU)

📅 January 2020

- Managed a group of 100+ juniors and guided them to kickstart their programming journey.
- Made a few educational programming videos with over 6k views on YouTube on the official channel of COPS, IIT (BHU).

## ACHIEVEMENTS

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- NITS Hacks 4.0 Inter College Coding Contest (CodeForces)  
Bagged 1st Rank globally and recieved prizes worth 25k 2021
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- Ethical Hacking (TechVridhi '18, IIT Kharagpur)  
Bagged 2nd Rank nationally 2018
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- February Long Challenge (CodeChef)  
Bagged 52nd rank globally 2021
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- ICPC Asia Kanpur Regional Contest 2021  
Bagged 61st Rank nationally 2021
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- InfnlTy 2k20 (Rated) (CodeChef)  
Bagged 76th Rank globally 2020
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- June Long Challenge (CodeChef)  
Bagged 110th Rank globally 2020
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- Codeforces Round #725 (CodeForces)  
Bagged 273th Rank globally 2021
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- Google Kickstart Round C 2021 (Google)  
Bagged 743rd Rank globally 2021