

ANKIT GARG

B. Tech (Civil Engineering)

UG (III Year II Semester)

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Registration No.: B. Tech/CE/17113013

GitHub: <https://github.com/agargcode001>

Indian Institute of Technology

Roorkee



Education

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2020	B.Tech. 3 rd Year	IIT Roorkee	9.44
2017	Twelfth	A.V.M. D Institute, Agra (CBSE)	92.8 %
2015	Tenth	St. Francis Convent School, Agra (CBSE)	9.8

Projects

Geomatics Survey Camp | IIT Roorkee

November 2018- December 2018

- Developed common digital Geo-referenced land maps using Geographical Information System (GIS)
- Identified optimum number of features for denoting and differentiating a particular landmark/building
- Worked on ArcGIS and ERDAS software to prepare the digitized map of the assigned area of Roorkee

Emergency Evacuation in response to no-notice disasters

August 2019 – September 2019

Supervisor: Dr. Indrajit Ghosh (Dept. of Civil Engineering, IIT Roorkee)

- The main of this project is to model an evacuation plan in response to no-notice disasters.
- As defined in our study evacuation is a two step process involving the rapid egress of evacuees to the nearest safe pickup location followed by a bus service assisting them in travelling the longer leg of the evacuation route.
- Keeping in mind the seminal role played by the public transportation in assisting the evacuation process, required operational strategies are also explored in this study.

Concrete Project | IIT Roorkee

January 2019 – March 2019

- Researched on various kinds of concrete technology used for pavement design and structures
- Prepared permeable, lightweight and sparkling concrete having wide applications in the construction industry

Internships

Remote Analyst | Inside Sherpa, KPMG

May 2020 – April 2020

- Performing data quality assessment based on the different parameters such as correctness, accuracy, uniqueness, consistency, validity, relevancy and currency on the customer data of a medium-sized bicycle company
- Identified the 1000 customers to be targeted by the organization in steps: Data exploration, Model building and Interpretation.
- Analyzing the results and presenting a summary of the task done to the client.

Summer Intern | EarthSource Sustainables Pvt. Ltd.

May 2019 - July 2019

- Built a database of colleges that had architectural and design related courses by scraping the web using Python
- Analyzed the traffic acquired by the social media platforms and optimized the time of posting on these platforms.
- Co-ordinated with a team of virtual interns and assisted them to plan the content and strategy for different social media platforms
- Channelized the content ensuring orderly flow between the content creators and the intended audience
- Formulated different marketing strategies to increase brand awareness and outreach

Awards / Scholarships / Academic Achievements

- KVPY Scholar
- DAAD WISE Scholar as an Upcoming Research Scholar at TU Munich
- Mitacs Globalink Research Internship Award 2020 as an Upcoming Research Scholar at University of Manitoba (Project: Development of data-driven models to predict driver's behavior under adverse weather conditions)
- A.I.R. 5181 in JEE Mains and A.I.R. 4291 in JEE Advanced

Skills

Computer languages: Python, MySQL, PHP, C++ (Basic).

Software Packages: ArcGIS (Geospatial Data Analysis), Gitbash, Python API

Additional Courses Taken: Machine Learning with PySpark (DataCamp), Supervised learning with Scikit (DataCamp), Big Data (DataCamp),

Minor/Honors Courses: Data Analytics for business Intelligence DoMS, IIT Roorkee), Economics-Macroeconomics and Microeconomics (IIT Roorkee)

Languages Known: English (SRW) , Hindi (SRW)

Positions of Responsibility & Extra Curriculars

Manager, National Social Summit | IIT Roorkee

November 2018 - February 2019

- In National Social Summit 2019, I endeavored to provide a platform to organizations working for the benefit of society to come together and join hands and make an impact on social issues through the pursuit of credible and sustainable projects.
- Worked as Manager (Marketing and Promotions) with a team and invite and collaborate with various student bodies and corporate partners to make the Summit a success.
- Maintained cross-vertical interaction in the team and was crucial to ensuring the participation of 1080 delegates from all over the country.
- Generated E-Certificates for the participants using Python on a design generated by the design team.

Technical Head | Civil Engineering Consortium | IIT Roorkee

July 2019 -Present

- Assisting and mentoring the technical team for sourcing technical competitions around the globe and prepare for participating in them
- Managing all the online platforms of Civil Engineering Consortium including its website

Joint Secretary | Departmental Cognizance 2019 | IIT Roorkee

March 2019 – April 2019

- Organized Paper Presentation and Scavengers hunt for the participants of the departmental cognizance
- Assisted the core team during the fest preparation in contacting various colleges to fetch participation

References

Dr Indrajit Ghosh

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