

# Nikhil Goyal

B.Tech.-M.Tech. Dual Degree  
Information Technology (Spl. Robotics)  
IIIT Allahabad  
CGPA:8.74

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## Links

Github:// [Slimshadynick](#)  
LinkedIn:// [Nikhil Goyal](#)  
Codechef:// [slimshady\\_123](#)  
Codeforces:// [SLIMSHADYNICK](#)

## Skills

OS  
GNU/Linux, Windows

LANGUAGES  
C/C++, Java, Python, Javascript

FRAMEWORKS  
Tensorflow, Express, Prisma,  
Spring, Dropwizard, Flask

DATABASES  
MySQL, MongoDB

OTHERS  
Markdown, Git, Vim,  
Sublime Text, Eclipse,  
IntelliJ

## Coursework

COLLEGE  
Data Structures And Algorithms  
Object Oriented Methodologies  
Database Management Systems  
Operating Systems

ONLINE  
Machine Learning by Stanford University  
Deep Learning by deeplearning.ai

## Education

UNDERGRADUATE  
IIIT Allahabad  
CGPA : 8.74/10

## Achievements

**JUNE-2020 Project Code 1.0 Codechef**  
Secured a global rank 16 and college rank 1.

**JULY-2020 Google Kick Start Round D**  
Secured a global rank 617.

**JULY-2020 July Cook-Off Division 1**  
Secured a global rank 169.

## Projects

- 2019-20 Time Series Analysis of Energy Trading Prices Using LSTM**  
Solar Energy trading price prediction of the U.S. dataset using multivariate time series analysis on weather and stock parameters by applying LSTM.  
*Python, Pandas, Numpy, Scipy, TensorFlow*
- 2020 Hyperspectral Image Classification Using Transfer Learning**  
Here one CNN model was trained on Indian Pines dataset and saved. The same trained model's last few layers were modified, freezing the previous layers and trained on Pavia dataset.  
*Python, Tensorflow, Pandas, Numpy, Scipy, Hyperspectral Images*
- 2022 Spatio-Temporal Modeling for Traffic Forecasting Using Traffic Graph Convolution**  
Combined the TGCRNN and spatio-temporal modelling approaches to get better results.  
*Python, Tensorflow*

## Experience

- MAY-JULY-2021 Arcesium SDE Intern**  
Back-end development on a Node.js based project using Prisma framework.
- JAN 2022-JUNE 2022 CRED Backend Intern**
- Worked on Artemis, an A/B testing service where I fixed some bugs, and added metrics integration for the automatic ending of the experiment when it concludes. Created dashboards on Retool and deployed an AWS lambda to generate a list of details of experiments on slack weekly using internal APIs and Data pipeline.
- JULY 2022-MARCH 2023 CRED Backend Developer**
- Colosseum Automation- Colosseum was a way for internal PODs to send comms to the users when their campaign ran. I automated the procedure by creating new APIs for some of the manual process like reading a file from Amazon S3, and created a UI on Retool for various API features. Unit tests were added for the same.
  - Blackout Service- Created a blackout service to disable comms in particular hours depending upon the comms config. Initially it was done on the consumer level, but to reduce the load on the consumer I created a library for the same, and added blackout at channel level on whatsapp/sms/push services. Added Unit tests for the same.
- JUNE 2023-PRESENT DEVO Backend Developer**
- Collectors - Collectors are an integral part of Devo where we ingest data from the customers in our domain. I worked on creating some collectors from scratch for our clients and also fixed numerous bugs of already existing collectors. During this time I gained experience with advanced python concepts like multi-threading, decorators and Flask framework. I also got to use internal Devo tools and libraries used in the Collector team, useful to parse the data before ingesting and query the data from local machine irrespective of the customer domain.