



ABHINAV KR SINGH
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Area of Interests

Machine Learning
Data Structures
Natural Language Processing
Algorithms
Image Processing
Network Automation

Technical Skills

Python	● ● ● ● ●
Data Analytics	● ● ● ● ●
Ansible	● ● ● ● ●
NLP	● ● ● ● ●
Competitive Programming	● ● ● ● ●

Work Experience

- LEAP Intern - Fidelity Investments** 2018
- The internship was under the DCS(Data Control Services) team of the EI(Enterprise Infrastructure) team of FMR llc and involved two projects.
 - The first project was with the UTS team and involved automation of server management tasks.
 - The second project was Data Analytics of data scraped from all the Linux Servers

Projects

- Sign Language Translator using Gesture Classification** 2018
- ECED, MNNIT Allahabad
 - Gesture Classifier to translate Sign Language to English
 - Images captured from the live feed was employed as input for the CNN based Classifier after Image Processing

- Automating server requests using Ansible Playbooks integrated to python scripts** 2018
- Project under LEAP Internship - Fidelity Investments
 - Server tasks were automated using Ansible Playbooks called from python scripts based on Ansible API
 - Prediction of approval/rejection for a request for different Automation task was done using previous data from request logs.

- Optimizing a Smart thermostat** 2018
- The project was part of the GIAN course on Machine Learning and IOT Analytics by Prof Ramki Thurimmella, Director, Colorado Research Instiute for Security & Privacy
 - Data Privacy and Network Device IOT was taken into account
 - Decision tree algorithm was employed on a dataset scraped from IOT Network Devices

- Review Aggregator and Sentiment Analysis** 2018
- Hack36 2018 MNNIT Allahabad
 - An interactive chatbot that helps you find the perfect smartphone for you using reviews from different customers
 - Developed using dataset from scraped from top e-commerce sites

- Product Classifier for industrial product using MATLAB** 2018
- The project was under VLSI Lab, ECED, MNNIT
 - Independent product classifier was implemented on a Spartan 3E FPGA Kit
 - Rosenblat's Neural Network classified on weights obtained from pre trained data on MATLAB

Education

B.Tech in Electronics and Communication Engineering
Motilal Nehru National Institute of Technology(2015-2019)

CPI: 8.26

ALLAHABAD, INDIA

All India Senior School Certificate Examination(2013-2015)

D.A.V Public School, Gandhi Nagar

Percentage Obtained: 94.4

RANCHI, INDIA

All India Secondary School Examination(2012-2013)

Kairali School

RANCHI, INDIA

CGPA Obtained : 10.0

My Links

- **LinkedIn:** <https://www.linkedin.com/in/abhinav-singh-6aa72b117/>
- **Github:** <https://github.com/abinator-1308>
- **Hackerrank:** [abinator_1308](#)
- **Spoj :** [abinator_1308](#)
- **Codechef:** https://www.codechef.com/users/abinator_1308

Academic Accomplishments

- Second Runners up at B-Plan, Kshitij-2019, IIT Kharagpur
- Member of core team, Hack36-2018/19
- Event Coordinator, Quintathlon, Avishkar
- Student Incharge, Electronics Society
- 2nd Position in E-Plan , Renaissane
- #52 in De Code- De Shaw
- 3rd position in IEEE Quiz, IEEE-Cell, MNNIT
- 3rd position at Codotron, Avishkar 2k18
- Presentation on GIAN(IIT Patna) under Prof. Ramki (Director of Cybersecurity, University of Denver)
- #1 in Aeromodelling Competition in Avishkar(Tech Fest of MNNIT Allahabad)
- #1 in PLC Circuit Designing Contest, Techfest, IIT BHU
- Participated in Hactoberfest and contributed on 4 open source projects

Co-Curricular Activities

- Volunteer at Fidelity Cares Event for Rural Government Schools
- Member of Core Team, Rukhsat - 2k18
- Member of Core Team, Departmental Freshers, ECED - 2018
- Second Prize at Model Parliament, Litfest 2k18, MNNIT
- Third Prize at TV-Series Quiz, Culrav 2k17
- Event Coordinator, Aeromodelling, Avishkar
- Winner at Tug of War Event, Athletics Meet for 2018 and 2017 and Second Prize for 2016
- Member of Mangement Team, Swagat 2017
- Parliamentarian at Model Parliament Event of Litfest 2k16 at MNNIT
- Member of Flying Club, MNNIT
- Member of the Public Relations team at Culrav, 2015.
- Volunteer in Aeromoddeling Event of Avishkar, 2015.
- Member of National Service Scheme (NSS)