

# ABHINAV DUBEY

PYTHON DEVELOPER

<b>Full name</b>	Abhinav Dubey	<b>Location</b>	New Delhi, India
<b>Email</b>	abhinavbhardwaj510@gmail.com	<b>Phone</b>	(91) 783 820 4972
<b>LinkedIn</b>	<a href="https://www.linkedin.com/in/abhinav-dubey-007001/">https://www.linkedin.com/in/abhinav-dubey-007001/</a>	<b>Blog</b>	<a href="https://now-its-abhi.medium.com/">https://now-its-abhi.medium.com/</a>
<b>GitHub</b>	<a href="https://github.com/abhinav-bhardwaj">https://github.com/abhinav-bhardwaj</a>		

## ABOUT ME

I am interested in the field of computational science, machine learning, bioinformatics, and astrophysics. I want to contribute to as many fields as I can. I aspire to become a researcher.

## EDUCATION

- |                   |   |
|-------------------|---|
| 01/2021 - PRESENT | <b>Indian Institute of Technology, Madras</b> <ul style="list-style-type: none"><li>• <b>Bachelor of Science In Data Science and Programming</b></li><li>• Currently in 2nd Semester</li><li>• Current CGPA - 8.8</li></ul>   |
| 07/2019 - PRESENT | <b>Hansraj College, University of Delhi</b> <ul style="list-style-type: none"><li>• <b>Bachelor of Science in Physical Science with Computer Science</b></li><li>• Currently in 4th Semester</li><li>• Current CGPA - 8.73</li><li>• Member of Physical Science Society</li></ul> |
| 4/2017 - 4/2019   | <b>Deepanshu Public School</b> <ul style="list-style-type: none"><li>• 12th Grade with 96 % (PMC)</li><li>• Head of Programming Club</li></ul>  |
| 4/2005 - 4/2017   | <b>Maharishi Dayanand Model Secondary School</b> <ul style="list-style-type: none"><li>• 10th Grade with 9.0 CGPA</li><li>• Head of Debate Club</li><li>• Captain of Quizzing Team</li></ul>  |

# ABHINAV DUBEY

## PYTHON DEVELOPER

### EXPERIENCE

04/2021-  
09/2021

#### Intern Data Scientist

- Avrutti Research Labs

01/2021 -  
01/2021

#### Software Engineering Virtual Experience

- JP Morgan Chase & CO.

07/2019 -  
03/2020

#### Junior Graphic Designer

- National Service Scheme

07/2019 -  
03/2020

#### Junior Graphic Designer

- SPIC MACAY

### SKILLS

#### Programming Languages

- Python
- C & C++
- R (basics)
- Go (basics)

#### Databases

- MySQL
- PostgreSQL
- MongoDB
- BigQuery

#### Machine Learning

- Keras
- OpenCV
- Scikit-Learn
- Tensorflow
- OpenVINO

#### Scripting Languages

- Perl
- Bash Shell
- TCL

#### Image Processing

- Pillow
- Scikit-Image

#### Cloud

- Google Cloud Platform
- Compute Engine
- Big Data

#### Data Analysis &

#### Visualization

- Numpy, Pandas, Pypolar
- Scikit-Learn
- Matplotlib
- Seaborn
- Scipy

#### Web Development

- HTML, CSS, JavaScript
- Django
- Flask Web Server
- Drupal
- BeautifulSoup

#### Networking

- Simulations using OMNeT++
- Simulations using NS2
- Packet sending/capturing via Socket & Scapy Python Libraries
- TCP, UDP, 802.11 WLAN

#### Operating Systems

- Linux - Ubuntu, Kali
- Windows
- MacOS

#### Animation & Graphic Designing

- Adobe Photoshop & Illustrator
- Autodesk SketchBook
- Canva

# ABHINAV DUBEY

PYTHON DEVELOPER

## ACHIEVEMENTS

### Intel-ADLINK OpenVINO AI mini Challenge

- Finished in Top 100 Participants from all over the world

### Appreciation from Vice-Chancellor of Sri Sri University for the website I developed for Students Admission Marks Calculation

- Former Dean Science Faculty
- Director, Institute of Lifelong Learning, Delhi University (ILLL)
- Director, Campus of Open Learning, Delhi University (COL)

### Cleared IIT Madras Qualifier Exam

- Pursuing 2 bachelor's degree simultaneously from different Institutes

### LGM - Summer of Code Participant

- OpenSource Contribution in 3 Projects

### Google Cloud Ready Facilitator Participant

- Completed ultimate milestone of the program

### Microsoft Azure Developer League Participant

- Completed Azure Developer League: DevOps & GitHub Challenge
- Completed Azure Developer League: Cloud Native Development

---

## PROJECTS

### Network Intrusion Detection using Machine and Deep Learning

- A Novel Statistical Analysis and Autoencoder Driven Intelligent Intrusion Detection Approach

### Walmart Sales Time Series Forecasting using Machine and Deep Learning

- Time Series Forecasting of Walmart Sales Data using Deep Learning and Machine Learning

### AODV Routing Simulation using NS2

- Ad-hoc On-demand Distance Vector Routing Simulation using Network Simulator 2

# ABHINAV DUBEY

PYTHON DEVELOPER

## PROJECTS

### Caesar Cipher Simulation using NS2

- Encrypting and Decrypting Data Packets using TCL Script

### NASA Meteorite Landing Data Analysis

- Data Analysis Project on Meteorite Landings Dataset (Recorded by The Meteoritical Society and Provided by NASA)

## CERTIFICATES

### Application of Machine Learning and Deep Learning in Engineering Problems

- Issued by the National Institute of Technology, Srinagar

### Machine Learning in Healthcare

- Issued by the National Institute of Technology, Raipur

### Data Analytics Tools and Techniques

- Issued by the National Institute of Technology, Jalandhar

### Introduction to CyberSecurity

- Issued by the Cisco Network Academy

## EXTRACURRICULAR ACTIVITIES

- Poetry Writing
- Portrait Sketching
- Blogging
- Astronomy
- Comedy Sketch Writing

## LANGUAGES KNOWN

- English (Conversational Level)
- Hindi (Native)