

# Shubham Dokania

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## EDUCATION

### DELHI TECHNOLOGICAL UNIVERSITY

B.TECH IN MATHEMATICS & COMPUTING

May 2017 | Delhi, IN

### NORTH DELHI PUBLIC SCHOOL

May 2013 | Delhi, India

## LINKS

Facebook:// [shubham.k.dokania](#)

Github:// [shubham1810](#)

LinkedIn:// [shubhamdokania](#)

Twitter:// [@shubhamdokania](#)

## AWARDS

### 2015

Code for India (Grand Prize)

HackIndia (Grand Prize)

PolicyHack, EPoD Harvard (1st in track)

</geekfest> by IBM (3rd Position)

Byldathon IIITD (Special Mention)

### 2013

Best Student Award by Times of India

### 2010

National Science Talent Search Examination (2nd in State)

## SKILLS

### PROGRAMMING

Languages:

Python • JavaScript • HTML

LaTeX • MATLAB • C++

Libraries & Frameworks:

Keras • Tensorflow • Scipy • Scikit-learn

Flask • Pandas • Django • Node.js

MySQL • OpenCV

## TALKS

Workshop speaker, PyData Delhi 2017.

Talk on Reinforcement Learning, CVIT, IIITH.

Talk at CoSys Lab, IIITD on RNN & LSTM.

Machine Learning workshop at NSIT,

Delhi by Coding Blocks.

Tutorials and talks on Deep learning & applications at DTU, Delhi.

## EXPERIENCE

### MERCEDES-BENZ R&D INDIA | RESEARCH ENGINEER

Aug 2018 - Present | Bengaluru, IN

- Working on computer vision based deep learning for intelligent interior in passenger vehicles.

### ATTENTIVE.AI | ENGINEERING LEAD - ML

Feb 2018 - June 2018 | New Delhi, IN

- Supervising a team for revolutionizing building footprint extraction using deep learning and computer vision.

### AMBIENT.AI | REMOTE RESEARCH INTERN

Oct 2017 - Jan 2018 | Palo Alto, CA

- Working on Deep Learning for Computer Vision to build generic vision based intelligence.

### CVIT, IIIT-H | RESEARCH INTERN

Aug 2017 - Oct 2017 | Hyderabad, IN

- Worked on Deep Reinforcement Learning for Computer Vision.

### CODING BLOCKS | INSTRUCTOR AND MENTOR

June 2016 - July 2017 | New Delhi, IN

- Instructor for Machine Learning & Data Science and Web Development courses.

### COSYS LAB, IIITD | VISITING RESEARCHER

May 2017 - Aug 2017 | New Delhi, IN

- Worked on application of Data Science in Drugs and side-effect prediction, molecular-level food data analysis.

## RESEARCH

### A HIERARCHICAL ANATOMICAL CLASSIFICATION SCHEMA FOR PREDICTION OF PHENOTYPIC SIDE EFFECTS | PUBLISHED

PLOS ONE

Published in PLOS ONE journal. DOI: <https://doi.org/10.1371/journal.pone.0193959>

### FLAVORDB: A DATABASE OF FLAVOR MOLECULES | PUBLISHED

Nucleic Acid Research, Oxford

Published in NAR journal (Impact factor: 10.162). DOI:

<https://doi.org/10.1093/nar/gkx957>

### HIERARCHY INFLUENCED DIFFERENTIAL EVOLUTION: A MOTOR OPERATION INSPIRED APPROACH | PUBLISHED

Funchal, Portugal

9th International Joint Conference on Computational Intelligence. DOI:

[10.5220/0006490302070214](https://doi.org/10.5220/0006490302070214)

### UNSUPERVISED FEATURE DESCRIPTORS BASED FACIAL TRACKING OVER DISTRIBUTED GEOSPATIAL SUBSPACES | PUBLISHED

Kolkata, India

7th International Conference on Pattern Recognition and Machine Intelligence. DOI: [https://doi.org/10.1007/978-3-319-69900-4\\_25](https://doi.org/10.1007/978-3-319-69900-4_25)

### OPPORTUNISTIC SELF-ORGANIZING MIGRATING ALGORITHM ON REAL-TIME DYNAMIC TRAVELLING SALESMAN PROBLEM | PUBLISHED

Baltimore, MD, USA

51st Annual Conference on Information Sciences and Systems. DOI: [10.1109/CISS.2017.7926065](https://doi.org/10.1109/CISS.2017.7926065)