

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](#)

COURSEWORK

UNDERGRADUATE

Linear Algebra
Pattern Recognition
Computer Graphics
Probability and Statistics
Theory of Computation
Applied Graph Theory
Stochastic Processes
Numerical Optimization

INDEPENDENT

Machine Learning - Coursera
Algorithms: Design & Analysis - Coursera
Deep Learning - Udacity

SKILLS

PROGRAMMING

Languages:
Python • JavaScript • HTML
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

CVIT, IIIT-H | RESEARCH INTERN

Aug 2017 - Present | Hyderabad, IN

- Working 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.

CODEMENTOR | MENTOR AND FREELANCE DEVELOPER

Dec 2015 - Present | New Delhi, IN

- Teaching people around the world about ML and Application development.

GREPLR | CO-FOUNDER & FULL-STACK DEVELOPER

May 2015 - Feb 2016 | New Delhi, IN

- Hyperlocal discovery platform. Built REST APIs to support android app.

RESEARCH

FLAVORDB: A DATABASE OF FLAVOR MOLECULES | UNDER REVIEW

Nucleic Acid Research, Oxford

Under review at NAR journal.

HIERARCHY INFLUENCED DIFFERENTIAL EVOLUTION: A MOTOR OPERATION INSPIRED APPROACH | ACCEPTED

Funchal, Portugal

9th International Joint Conference on Computational Intelligence. arXiv link

UNSUPERVISED FEATURE DESCRIPTORS BASED FACIAL TRACKING OVER DISTRIBUTED GEOSPATIAL SUBSPACES |

ACCEPTED

Kolkata, India

7th International Conference on Pattern Recognition and Machine Intelligence.

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

AWARDS

Oct. 2015	Grand Prize Winner	Code For India Hackathon
July 2015	Grand Prize Winner	HackIndia 2015
Apr. 2015	1st in Track	PolicyHacks, EPoD Harvard
Mar. 2015	3rd Position	</geekfest>, 91SpringBoards & IBM
Mar. 2015	Special Mention	Byldathon at IIIT Delhi
Oct. 2013	Best Student Award	The Times of India(TOI)
Aug. 2010	2nd in State	National Science Talent Search Examination