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
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

AMBIENT.AI | Remote Research Intern
Oct 2017 - Present | 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.

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 | Accepted
Nucleic Acid Research, Oxford
Accepted for publication at NAR journal (Impact factor: 10.162)

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

Date	Award	Event
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