Harsh Goyal

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SKILLS

PROGRAMMING

Experienced with:
Python • C++ • Java • C
Exposure to:
Matlab • Javascript • Verilog • LaTeX

MACHINE LEARNING

Scikit-Learn • Pandas • Matplotlib • Seaborn

AWARDS

Ajit Ramchandani Endowed Scholarship
Recipient of scholarship awarded by UT Austin College of Natural Sciences to International Students on merit basis.

Tech Hunt at IIT Delhi
Winner among 6000 participants for making a keyboard which can be controlled with your foot.

MISC. PROJECTS

Image search in Matlab
Face Detector using Viola Jones
Pipelined processor in Verilog
Operating System on Multiprocessor Systems
AI for Tetris with Genetic Algorithms
Sketch Filter for Photos
Markov chains for Text
Word finder for Boggle

LINKS

Facebook:// **hgoyal.dps**
Github:// **harshgo**
LinkedIn:// **harsh-goyal**

LANGUAGES

English, Hindi, Marwari

EDUCATION

UNIVERSITY OF TEXAS AT AUSTIN | BS C.S.- Turing Scholar

Aug 2015 - Present | Austin, TX

- GPA— Departmental: 3.89; Overall: 3.87
- Relevant Past Coursework (H = Honors version of the class):
  Data Structures H., Algorithms H., Operating Systems H., Computer Vision H., Data Mining H., Probability

EXPERIENCE

GOOGLE, INC. | Software Engineering Intern, Search Team

June 2017 – August 2017 | New York City, NY

- Conceptualized, built and released an internal data analysis tool used by a team of 60 engineers in Python.
- Learnt how to build a technical product from ground up, set up a server, take user input in design etc.

TRUECAR, INC. | Machine Learning Intern

June 2016 – August 2016 | Austin, TX

- Developed Machine Learning pipeline using Adaboost to predict whether a user will buy a car.

UTCS FRESHMAN RESEARCH INITIATIVE | Peer Mentor

Jan 2016 - May 2016 | Austin, TX

- Researched possible use of machine learning to automate recording chess game moves as part of Computational Intelligence lab.
- Served as mentor to five freshmen in their research.

SAI VOCATIONAL TRAINING CENTER | C.S. Teacher

March 2014 – March 2015 | Delhi, India

- Taught 60 students in 12-30 age bracket. Initially taught typing, then internet usage and finished with programming in Java.

PERSONAL PROJECTS

CHESS MOVE TRACKER

Used convulational neural networks to build an application which tracks the movement of chess pieces on a board from sequential images.

WEBCRAWLER

Programmed a Java application to crawl a set of websites, analyze the data, and act as a search engine over it. Built a parser for user entered queries.

GENTRIS

Used Genetic Algorithms in Java to create a program which plays Tetris.

COMMUNITY INVOLVEMENT

Machine Learning and Data Science	Officer. Created teaching material for and taught Machine Learning. Organized
Turing Scholars Student Association	Corporate officer. Raised $8500+ from companies. Organized 10+ events for Turing Scholars Students.
UT Computer Science Ambassador	Appointed by UT Computer Science department as student ambassador.