

Vishnu Srivastava

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EDUCATION

UNIVERSITY OF WATERLOO

MMath Computer Science –
Software Engineering
Waterloo, ON| CGPA: 87%
Sep'14-Feb'17

Delhi Technological University (Delhi College of Engineering)

BTech in Engineering Physics
Robotics & Information Systems
August'09-June'13|Delhi, INDIA

COURSEWORK

GRADUATE

Applied Machine Learning
Multi-Agent Systems
Database Management & Use
Big Data Software Engineering
Software Requirements & Specs

SKILLS

PROGRAMMING

C++ • Python • JAVA • C#
PHP • MySQL •
MATLAB • JavaScript • Node.js

PUBLICATIONS

IMPROVED OTRA BASED RECEIVER SECTION IN WIRELESS LASER COMMUNICATION LINK

IEEE Xplore, Communications (APCC), 2012
18th Asia-Pacific Conference on
Communication, Jeju Island, South Korea. 2015

AWARDS

Graduate Student Scholarship

UWaterloo Fall 2014- Fall 2015

1st -Paper Presentation- Data Mining

JMI University, India-Feb 2011

1st -Paper Presentation- GPU Comp

Amity University, India-Feb 2011

2nd -Android Application Development

IIIT Delhi, India-Sep 2011

India Finalist- National Instruments Embedded Design Contest

NI Chennai, India-Oct 2012

EXPERIENCE

SCOTIABANK | Equity Trading Developer Intern

May'16 – Aug'16 | Toronto, Canada

- Instant Chat using Socket.IO, Email reporting/tracking server, Dark Pool Trading performance report.

GAMEZOP.IN (Startup) | Data Science Consultant (Part-Time)

Jan'16 – Apr'16 | Delhi, India

- Developed Friends Recommender System and Game Recommender System on Google Compute Engine using Scikit-Learn and NetworkX python libraries.

LIMETRAY.COM (Startup) | Data Science Intern

Jan'16 – Apr'16 | Delhi, India

UNIVERSITY OF WATERLOO | Teaching Assistant

Sep'14 – Dec'15 | Waterloo, Canada

- CS 246-Object-Oriented Software Development(C++ & UML)
- CS 116-Introduction to Computer Science 2(Python)

ERNST & YOUNG L.L.P. | Associate Consultant IT

Jun'13 – Jul'14 | Delhi, India

- Develop & Design UI and Logic using SAP Advanced Business Application Programming.
- Customize and Develop Data Report and Form Generation.

SAMSUNG R&D LAB | Software Engineering Intern | Data Analytics

May'13 – Jun'13 | Delhi, India

- Extraction of movie trailer links from MovieLens data sets.
- UI for Samsung Smart TV gesture recognition Application.

DEFENCE R&D ORGANIZATION. (Gov. India) | Intern

Jun'11 – Aug'11 | Delhi, India

- Designed printed circuit board (PCB) for wireless gas sensor module and performed simulations and circuit analysis.

PROJECTS

Score Prediction of NBA Players for DraftKings & Fanduel

- Predicted score for a player using Random Forest algorithm. Optimized line-ups using the predicted scores for daily fantasy sports websites.

Review of Game Theoretic Strategies and Machine Learning Algorithm for an Online Multiplayer Reversi Game Playing Agent

- Primarily focused on the mini-max technique and on the use of a machine learning agent trained using a database of the championship games.

High Frequency Trading by Transient Profit Peak Classification

Using Machine Learning on Real-Time Data Streams

- Developed a transient profit peak classification algorithm combined with a classifier expansion mechanism to take advantage of the volatility in the stock markets by classifying a data point as a buying point (BP), selling point (SP) or as a do-nothing point (DN).

Internet Operated Explosive Ordinance Disposal Vehicle

- Developed a remotely operated vehicle for E.O.D tasks which receives DTMF signals over SKYPE for operation and provide live video feeds.

AUVSI's 5th RoboBoat Competition 2012, Virginia Beach

- Founder and Lead Software Developer at the student team, D.T.U Autonomous Surface Vehicle. Developed a small boat capable of navigating an obstacle course autonomously.

AUVSI's Intelligent Ground Vehicle Competition 2012, Michigan

- Software Programmer and Embedded Application Developer at the student team 'LAKSHYA'. Calculating optimal navigation path through self-designed algorithms for successful navigation.