

EDUCATION

Netaji Subhas Institute of Technology (NSIT), University of Delhi, India	2015 - 2019
<ul style="list-style-type: none">Bachelor of Engineering (B.E) in Computer Engineering. Aggregate: 77.0%Honors: First-class with Distinction, IEEE scholarship recipient	

RESEARCH AND WORK EXPERIENCE

Associate Software Engineer	Expedia Group, Gurgaon, India	July 2019 - present
<ul style="list-style-type: none">Developing solutions for financial transactions on the e-commerce platform		
Research Assistant	University of Pennsylvania, USA	December 2017 - present
<u>Co-evolving genetic-programming (GP) trees with rules in Learning Classifier Systems (LCS)</u> <ul style="list-style-type: none">Developed Python code from scratch for imbedding GP-Trees in the ExSTraCS framework, a supervised LCSEnhanced the performance of GP tree operations in terms of execution speed and tree representation <u>GP Trees – Python Library</u> <ul style="list-style-type: none">Created a python library for all the GP trees related operations that can be used directly for any GP application <i>Supervisor: Dr. Ryan Urbanowicz</i> , Assistant Professor, Perelman School of Medicine, University of Pennsylvania		
Software Engineering Intern	Expedia Group, Gurgaon, India	June 2018 - July 2018
<u>Stored Value Bank Adaptor</u> <ul style="list-style-type: none">Devised a framework to communicate with bank partners for making reward point transactions using ESB.Reduced time of on-boarding the adaptors from three months to three days.		
Research Assistant	Netaji Subhas Institute of Technology, India	January 2017 – May 2018
<u>Solving training issues in Generative Adversarial Networks (GANs)</u> <ul style="list-style-type: none">Research article under submission at a conference. <u>Evolving game playing strategies using eXtended Classifier Systems (XCS)</u> <ul style="list-style-type: none">Proposed an approach of playing game of Othello using XCS, a branch of LCS. <i>Supervisor: Dr. Swati Aggarwal</i> , Assistant Professor in Computer Engineering Department, NSIT		

PUBLICATION

S. Jain*, S. Verma*, S. Kumar* and S. Aggarwal, "An Evolutionary Learning Approach to Play Othello Using XCS" 2018 IEEE Congress on Evolutionary Computation (CEC), Rio de Janeiro, Brazil, 2018, pp. 1-8. (WCCI 8-13 July, 2018) [*equal contribution] doi: 10.1109/CEC.2018.8477644	
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INTERNATIONAL CONFERENCE AND EXTRA CURRICULAR ACTIVITY

Speaker	World Congress of Computational Intelligence (WCCI), Rio De Janeiro, Brazil	8-9 July, 2018
<ul style="list-style-type: none">Talked about the research ideas on evolutionary algorithms and reinforcement learning at the conference.		
Summer School	Indian Institute of Science (IISc), Bengaluru, India	July 2017
<ul style="list-style-type: none">Participated in the lectures by research professionals on latest research in artificial intelligence.		

RELEVANT SKILLS

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- Computer Languages:** Java, Python, C++, Julia
 - Libraries and Tools:** TensorFlow, DEAP, Numpy, Spring, LaTeX,
 - Technical Skills:** Data Structures, Algorithms, Deep Learning, Reinforcement Learning, Genetic Programming