ANOOPAM MISHRA

Course : **B.E. (Hons.)**, Computer Science, 2020
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CGPA : 7.904

Subjects / Electives	Discrete Structure for Computer Science,Data structure and Algorithms,Data Mining,Logic in Computer Science,Database Systems,Object Oriented Programming,Micrprocessor and Interfacing,Computer Programming,Linear Algebra,Probability and Statistics,Digital Design
Technical Proficiency	Python, C Programming, C++ Language, Java, Haskell, IBM SPSS Modeler, Machine Learning, Neural Networks, Prolog, JavaScript, Node.js, HTML + CSS

SUMMER INTERNSHIP / WORK EXPERIENCE

Developer, MapMyIndia   May 2018 - Jul 2018
- Developed a library for MapMyIndia REST APIs in pure Node.js and Python, without any dependencies
- The library included many added features which would reduce the development time of the clients

Intern, Indian Road Safety Campaign   May 2017 - Dec 2017
- Worked in Hauz Khas, South Delhi
- Analyzed the area, designed survey questionnaires, ran pilot exercise and refined study design
- The proposal was approved by the Member of Parliament, South Delhi - Shri Ramesh Bidhuri

VOLUNTEER EXPERIENCE

Action for Excellence in Children and Women Foundation - Role: Teaching Volunteer | Cause: Education   Jun 2017 - Jul 2017
- Prepared a computer module for the girls
- Taught basic and advanced level Mathematics and Computer Science to 20 girls

PROJECTS

Formal Specification of Software-Defined-Networks and verification of their properties - Computer Networks   Aug 2018 - Present
- Studying SDN - in particular, the studying semantics of data flow and protocol operations in SDN
- Objective: Capturing the semantics and operations in a formal specification using (preferably) First Order Logic

Crowd Counting - Convolutional Neural Network   Jun 2018 - Oct 2018
- Implemented a Switching Convolutional Neural Network (Switch-CNN) architecture to map a given crowd scene to its density
- Currently working to increase the accuracy of the model in TensorFlow

Twitter Sentiment Classification using Distant Supervision - Machine Learning   Mar 2018 - May 2018
- Achieved an accuracy of 85% for sentiment analysis using distant supervision (emoticons) in Python
- Developed it using four algorithms - Baseline, Naïve Bayes, Maximum Entropy, Support Vector Machine

Verification of operations on Abelian group - Logic in Computer Science   Nov 2017 - Dec 2017
- Defined rules for an Abelian group in First-Order Logic
- Implemented it in GNU-Prolog to answer questions about Closure, Commutative, Associative, Identity and Inverse properties

POSITION OF RESPONSIBILITY

Executive, Management Team - Indian Road Safety Campaign   May 2018 - Present
- Took telephonic interviews of over 100 students for IRSC Policy Internship
- Searched for mentors and took telephonic interviews of 50 mentors for IRSC Policy Internship
- Managing 40 students and their mentors working on the implementation of their proposals in Policy Internship

AWARDS AND RECOGNITIONS

Bug Bounty Program | United Airlines   Jun 2018

COMPETITIONS

SOF International Mathematics Olympiad   Nov, 2015
Got 1st International rank
SOF International Mathematics Olympiad   Nov, 2014
Got 2nd International rank and 1st rank in Delhi

SCHOLARSHIPS

Kishore Vaigyanik Protsahan Yojana   Apr 2016
Junior Science Talent Search Examination   Jan 2013
National Talent Search Examination   Mar 2012