Deepali Jain

Indian Institute of Technology Roorkee
B.Tech. Electrical Engineering
UG(IV Year II Semester)
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Area(s) of Interest:

Machine Learning, Data Science, Microprocessors, Algorithms

Educational Qualification	Year	Board/Institution	CGPA* / %
B.Tech. 3rd Year	2015	Indian Institute of Technology Roorkee	8.807
Twelfth	2012	Delhi Public School Meerut	95.4
Tenth	2010	Delhi Public School Meerut	95.0

*on a scale of 10

Internships:

Google Summer of Code: Book management software for Wikibooks (19 May 2014 - 18 Aug 2014)
Worked on a PHP and Javascript based project under Wikimedia organisation with the goal of developing BookManager extension for Mediawiki software in Wikibooks and Wikisource. The main focus was on creating a robust and user-friendly interface for editing, reading, navigation and migration of large Wikibooks (~10,000 sections).

Adobe Systems: Context-Aware media content analysis (4 May 2015 - 17 Jul 2015)
- Built an end-to-end physical activity recognition system based on accelerometer data from mobile sensors.
- Proved the hypothesis that different context of readers leads to different choice of media articles, using clickstream data analysis.
- Designed and developed an android reading application with added functionality to collect reader's context information from mobile devices.

Projects:

Vision: Multi-pose face detection and recognition (July 2014)

Ongoing project on face detection and recognition in images using facebook tag data. Written in python and uses OpenCV eigen-faces recognizer algorithm to train the machine learning model with a huge dataset. Supports all alignments of face.

Forsit: Recommendation Engine for Mathematical Problem Solving Website (December 2014)
Built a recommendation engine which can track user activity, correlate it with activity of other users and provide the right set of recommendations about the problems to attempt for a mathematical problem solving platform using content based recommendations and collaborative filtering.

Minor BTP: EEG Signal classification (September 2015)
Built a basic human computer interface by using EEG signals to control the state of an attached LED using an arduino board. Recorded EEG signals were preprocessed through CSP spatial filter and an binary SVM classification model was trained on the samples to predict motor imagery classes (left/right hand movement).

Skills and Achievements:

Computer Languages	C++, Java, Python, R, PHP, Javascript, Ruby
Software Packages	• Systems: Linux OS, Windows • Development: Visual Studio, MATLAB • Designing: MicroStation, SolidWorks, Photoshop
Achievements	• Microsoft Code.Fun.Do Winner 2015 • GSQuantify National Finalist 2015 • Ideaz Paper Presentation Contest Winner 2015 • IEEE Programming League National Winner 2015 • Air Cmde S.C. Mehra Scholar 2012 • K.V.P.Y. Fellow 2012 • INSPIRE Fellow 2012 • National Talent Search Examination Scholar 2008
Languages Known	English (SRW) , Hindi (SRW)

Extracurriculars:

Developer, SDSLabs (2013-)
Trophy Winner, Srishti 2014 for contribution to SDSLabs projects. SDSLabs is a student group working at achieving technical excellence in field of web development, mobile development, algorithms, linux etc.

Chief Web Co-ordinator, Watch Out News Agency (WONA) (2014)
Worked as Chief Web team co-ordinator for official news magazine of IITR, Watch Out News Agency. Responsible for managing the magazine website.

Co-ordinator, Programming and Algorithms Group (2014)
Conducted various algorithmic programming open lectures and online contests in campus. Programming and Algorithms group aims at spreading competitive programming culture in IITR.

National Sports Organisation (N.S.O.) (2012-2013)
Member of N.S.O. (Basketball). Won Inter-Branch Basketball match, 2013.

Personal Details:

Father's Name: Mr. Mukesh Jain
Date of Birth: Nov. 8, 1993
Gender: Female
Contact No: 8266801703
Category: General
Permanent Address: 5, Vasant Kunj, Baghpat Road, Meerut - 250001
Current Address: A-347, Kasturba Bhawan, IIT Roorkee - 247667