Sonam Kag

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India

Bachelor of Technology
Department of Computer Science
Indian Institute of Technology Mandi
+91 7018176249

Education

August'15-June'19	**B.Tech in Computer Science, Indian Institute of Technology Mandi**	6.72/10
July'14-June'15	**Senior Secondary, Central Board of Secondary Education**	83.6%
July'11-June'12	**High School, Central Board of Secondary Education**	76.0%

Skill Set

Programming	C, C++, Python
Tools	Git
Web Development	HTML, PHP, Javascript, MySQL
ML Tool kits	Numpy, Pandas, Scikit-Learn, Tensorflow

Some of my projects are hosted at https://github.com/sonamkag
My GeeksforGeeks Profile Link: https://auth.geeksforgeeks.org/user/shireunde_naega_wae

Major Projects

September-October 2022	**TicTacToe App**
	Implemented the tictactoe board game for offline and online modes
Skills Used	Andriod Studio, Java, XML, Kotlin
March-May 2019	**MNIST Benchmarking Project**
	Benchmarked performance of various learning algorithms on MNIST dataset, including Logistic Regression, SVM, Adaboost, KNN, etc. Also included convolutional neural networks for digit recognition.
Skills Used	scikit-learn, Tensorflow, Python
Source Code	https://github.com/sonamkag/MNIST-Dataset
August-September 2019	**Internshala DataScience Hackathon**
	Predicting whether a customer of an Insurance company would pay his next premium or not.
Skills Used	scikit-learn
May-June 2018	**KeyMac: KeyBoard Macros**
Advisor	**Dr. Timothy Gonsalves, Dr. Sriram Kailasam, Professor, IIT Mandi**
	Implemented a kernel module for recording keyboard macros.
Skills Used	C, Python
May-June 2018	**Reversi(Othello) Game-Bot**
Advisor	**Dr. Deepak Khemani, Professor, IIT Mandi**
	Designed a bot to optimally play the Othello game, in order to win.
Skills Used	C++
Sept-Nov 2016	**Music Website in Applied Database Practicum**
Advisor	**Dr. Arti Kashyap, Professor, IIT Mandi**
	We used PHP, MYSQL, CSS and HTML for making ad-free music website.

Academic and Extra-Curriculars Achievements

- Won 2nd prize in Internshala DataScience Hackathon 2019 for building premium predictive service for an insurance company.
- Ranked among top 20% in Kaggle's Categorical feature encoding challenge.
- Secured 58642 rank among 1,303,000 in Joint Entrance Examination Mains'2015.
- Secured 6035 rank among 117,238 in Joint Entrance Examination Advanced'2015.
- Participated in a music event for music club in Exuberance'2016 IIT Mandi.

Key Courses Undertaken

Data Structures & Algorithms	Data Mining	Formal Language & Automata Theory
Linear Algebra	Artificial Intelligence	Formal Concept Analysis
Computer Architecture	DBMS	Probability Theory & Random Processes
Discrete Mathematics	Paradigms of Programming	Communicating Distributed Processes
Signals & Systems	Machine Learning	IoT Systems & Cloud