Prabal Aggarwal

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WORK EXPERIENCE

Remote Intern at PrepInsta   *January 2021- February 2021*
Developed easy to understand and well-documented web pages containing solutions to various coding problems.
Created MCQ problems on various computer science topics.

TCS iON REMOTE Intern   *October 2020*
Developed machine learning model in order to enable entity and knowledge extraction from documents with handwritten text, to identify handwritten words in an image.
Created a multi-layer neural network model using keras consisting of convolutional, max pooling & dense layers.

Summer Intern at Optum – United Health Group   *June 2020 – August 2020*
The internship was converted into remote training due to covid19 pandemic.
Learnt web development and machine learning.

PROJECTS

Spider Monkey Optimization algorithm | Guide: Dr. Mohit Saini
Implemented Spider Monkey Optimization algorithm in Java. Used it to improve QoS parameters in cloud computing.

Video Course Website
Created a website https://www.sciencetigers.com/ for a Coaching Institute to upload their Video Courses and make them accessible to their students. The website has 6 courses each with over 100 video lectures.
Technologies Used – Django (Backend) and Html & CSS (Frontend)

Placement Management System (LINK)
Created a website where students can apply to companies visiting their campus. Students can also post their interview experience, ask queries and answer queries.
Technologies Used – Django (Backend) and Html & CSS (Frontend)

Fantasy League Cricket Game (LINK)
Created a game that allows users to create teams by buying players and evaluate scores of their teams on the basis of performance in the match.
Technologies Used – Pyqt5 (GUI Framework) and SQLite Database

EDUCATION

		SKILLS
National Institute of Technology, Jalandhar	*2017-present*	**Programming Languages-**
BTech, Computer Science and Engineering	CGPA: 8.50 (Up to 7th Semester)	C++, C, Python, Java, SQL
Apeejay School Mahavir Marg, Jalandhar	*2016-2017*	**Web Development-**
Class 12th Non-Medical	Percentage: 94.4 (CBSE Board)	HTML, CSS, Django
Apeejay School Mahavir Marg, Jalandhar	*2014-2015*	**Machine Learning-**
Class 10th	CGPA: 10 (CBSE Board)	NumPy, Pandas

ACHIEVEMENTS

- College Rank 1 in ACM ICPC Online round 2019.
- College Rank 1 and Overall rank 67 in Codathon – Inter NIT Coding Competition 2020.
- Google Kick Start 2020 Round F global rank 567 and Round H 2020 global rank 647.
- 4-star coder at Codechef and Specialist at Codeforces (Max: 1588). (PROFILE LINK)
- Cleared Apeejay Talent Search Examination in Class X and obtained scholarship.
- Class 12th Science stream school topper (94.4%) and obtained Certificate of Merit for performance in Physics (Top 0.1% among all candidates).

CERTIFICATIONS

- HTML, CSS, and JavaScript for Web Developers   (Coursera)
- Neural Networks and Deep Learning   (Coursera)
- The Bits and Bytes of Computer Networking   (Coursera)
- Natural Language Processing with Classification and Vector Spaces   (Coursera)