

Suraj Singh

Resourceful and dedicated college student with excellent **problem solving, technical** and **communication skills** seeking an opportunity to work in a challenging environment to prove my coding skills and utilize my knowledge for the growth of the organization.

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Academic History

- **Lovely Professional University** (2018 - Present)
computer science and engineering 07.51 CGPA
- **Army Public School, Mamun Cantt** (2016 - 2017)
Intermediate 74.40 %
- **Army Public School, Sri Ganganagar** (2014 - 2015)
Secondary School 08.20 CGPA

Experience

- **Teaching Assistant**
classroomStudy
12/2020 - Present
 - Taught : Data Structures and Algorithms in CPP.
 - Assisted, guided, inspired and motivated students to participate in competitive programming.
 - Developed presentation, communication and mentoring skills.
- **Front-End Developer and Event Manager**
MSP Developer Community Punjab
06/2019 - 06/2020
 - managed events, handled audience, brought in sponsors, interacted with and motivated the juniors.
 - Creating responsive web pages from scratch.

Certificates

- **Algorithmic Toolbox**
Course covered algorithmic techniques like sorting and searching, divide and conquer, greedy algorithms, dynamic programming.
- **Neural Networks and Deep Learning**
Learned to build, train and apply fully connected deep neural networks and implement efficient (vectorized) neural networks.
- **Object-Oriented Programming java**
Learned about Data abstraction, Encapsulation, Polymorphism and Inheritance.
- **Data Analysis with Python**
Topics covered: Importing Datasets, Cleaning Data, Data frame manipulation, Summarizing the Data.

Achievements

- **4 Star CodeChef**
codechef.com/users/sinsinwar_code
- **CodeVita Season 9**
Cleared Pre-Qualifier Zonal Round. Ranked in top 3% among 250k+ participants.
- **Secured rank 170 out of 2783**
Certificate of Appreciation for securing 170 rank in Project Code 2.0 hosted on CodeChef (05/06/20)

Projects

- **Smart Rockets (10/2020 - 11/2020)**
 - This project is a visualization of individuals learning to reach a target by avoiding walls and obstacles using genetic algorithm.
 - It is a web-based project using P5.js framework, HTML and CSS.
- **Cat image classification using neural networks (08/2020 - 10/2020)**
 - Logistic regression classifier to recognise cats using single hidden layer neural network.
- **School Management System (Front-End) (05/2019 - 08/2019)**
 - A web based school management system Front-End.
 - Technologies used: HTML, CSS and JavaScript.

Skills

Data Structures | Algorithms | C++
Object-Oriented Programming (OOP)
Python | Genetic Algorithms | Machine Learning
HTML | CSS | JavaScript

Interests

- Competitive Programming
- Basketball
- Sketching
- Poetry

Languages

- English
- Hindi