VISHAL JHA

Undergraduate student, 4th semester

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EDUCATION

SRM University   **June 2019 – June 2023**
Bachelor of Engineering (B.E.) in Computer Science with specialisation in AIML (9.24 CGPA)   *Delhi-NCR, India*

DLF Public School   **June 2019**
XII - CBSE Board, 84.8%   *Ghaziabad, India*

DLF Public School   **June 2017**
X - CBSE Board, 9.4 CGPA   *Ghaziabad, India*

EXPERIENCE

Credex Technology   **Jan 2021 – March 2021**
WebApp development Intern   *Noida, India*
- Developed a wallet system in the Kamadgiri web application[backend] for farmers and merchants and connected it to their frontend for displaying the information at their portal.
- Created an API to display redemption points for farmers and merchants.
- The frontend was developed on Angular and used MongoDB for server side development with the aid of Postman and Robo3T.

PROJECTS WORKSHOPS

Sorting algorithm Visualizer | *React, HTML, CSS, Javascript, Netlify*   **[Code] [Demo]**
- Developed a web application on React JS library to present the working of sorting algorithms visually on how they proceed to sort a randomly generated array.
- Sorting algorithms implemented are merge sort, quick sort heap sort and bubble sort. All algorithms were animated using bar-lengths representing the randomized array sorted.
- The application is deployed using Netlify.

Sudoku game | *Python*   **[Code]**
- Created a python application to solve a randomly generated Sudoku board.
- The user can take a timed attempt on the generated sudoku puzzle, and can also take hints.
- The program can itself solve the randomly generated sudoku puzzle using backtracking algorithm.

Dog-Cat classifier | *Python, Jupyter notebook*   **[Code]**
- Developed an image classifier machine learning model which classifies the given image into one of the two classes: Dog and cat.
- Used a Convolution neural network to train the the model on a data-set of 8000 dog and cat images.
- The model achieved an accuracy of 0.989 on the data-set

Coin man | *Java, Android Studio*   **[Code]**
- Developed an android game which is inspired by the famous Flappy bird game.
- The app uses libGDX, a cross-platform Java game development framework based on OpenGL (ES).

Python programming worshop | *IIT Delhi, 2019*
- The workshop was on basics of python programming and its various applications.
- The workshop was organised in collaboration with robothlon and IIT Delhi.

TECHNICAL SKILLS

Languages: Python, Java, C++, HTML/CSS, JavaScript
Developer Tools: VS Code, Eclipse, Android Studio, Jupyter Notebook, Spyder, Google colab
Technologies/Frameworks: Numpy, Pandas, Matplotlib, Seaborn, Tensorflow, GitHub

SCHOLASTIC ACHIEVEMENTS HONOURS

- Awarded the Scholar Title for meritorius performance in the academic year 2016-17.
- Elected as the School vice-president among 250 students in 2017.
- Secured 2nd position at Computefest, 2018.
- Secured 3rd position at Technolympics, 2016.

CERTIFICATIONS

Algorithms Specialisation Stanford Online, Coursera
Machine Learning by Andrew Ng Stanford Online, Coursera
Deep Learning and Neural networks Udemy
Android development - Oreo Udemy
Virtual Internship – KPMG InsideSherpa
Virtual Internship – JP Morgan and Chase InsideSherpa

LEADERSHIP / EXTRACURRICULAR

CodeChef Chapter - SRMNCR
April 2021 – Present

Core member   *SRM-IST*

- Codechef chapter is a programming clubs run and maintained by the official chapter leaders and mentored by CodeChef a competitive programming site.
- Achieved 1st positon at Code-N-conquer, a 30 day coding competition.
- A 2 Star CodeChef competitive coder.

Literary society
August 2019 – Present

Member   *SRM-IST*

- SRM Literary Society focuses on college editorial and organises and participates in debating and MUNs.
- Participated in JMUN'20 (UNGA-SPECPOL as a delegate of India)
- The society organises multiple inter-society debating events and also open houses for writers.
- Participated in SRMNMUN 2020 (AIPPM, representing Rajnath Singh as a delegate).

School Student Executive Council
August 2017 – August 2018

Vice-President   *DLF Public School*

- Was elected as the student bodt vice-president for school council.
- Headed the organisations of multiple inter-school sporting and cultural events. Also organised a large scale inter-school cultural meet and compete event.
- Mentored a group of students to help them in their curriculum work and web-designing.
- Was also part of the school art and craft team for 2 years during my junior year.

KEY COURSES TAKEN

Data Structure and Algorithms (+Lab) Biology	Design and Analysis Of Algorithms (+Lab)
Probability and Statistics	Linear algebra and Differential Equations
Operating System (+Lab)	Advance Programming Practices (+Lab)
Software Engineering and Project Management(+Lab)	Calculus and Linear Algebra
Programming for Problem Solving	Civil and Mechanical Engineering Workshops
Social Engineering	Chemistry(+LAB)
Semiconductor Physics	Biology
Object oriented design and programming	Probability and queuing theory
German	Basic electrical and electronic engg.

MISCELLANEOUS

Hobbies: Squash and swimming, Reading as much as I can about that seems interesting to me and also re-reading Harry Potter whenever I can.
Keenly interested in technology, motor-sports and football