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SHAILESH VASHISTH

EDUCATION

2018 - PRESENT	**BTech** in COMPUTER SCIENCE AND ENGINEERING	GPA (major): **8.2/10** Minor in Applied Mathematics, IIIT Delhi
2017 - 2018	**Senior Secondary** (CBSE)	PERCENTAGE: **90%** Hope Hall Foundation School, Delhi
2015 - 2016	**Secondary** (CBSE)	GPA: **10/10** Kendriya Vidyalaya, R. K. Puram, Delhi

ACHIEVEMENTS

2019   [Intra IIIT coding competition] : Ranked **1**st in IIIT Delhi.

2019   [Codechef UEMCO] : Ranked **53**rd out of **574** teams in the world.

2019   [CodeChef Coders Legacy] : Ranked **127**th out of **1017** participants in the world.

2020   [Hacker Earth] : Competitive percentile of **95%**.

2020   [Hacker Earth Code Arena] : Continuous **non-loosing** streak of **32** 1-vs-1 coding competitions.

2018   [JEE Mains] : **99.9%** percentile in Joint Entrance Examination Mains, most prestigious engineering entrance exam in India.

WORK EXPERIENCE & RESPONSIBILITIES

2020   [Web Devloper] : Web Devloper Intern at **Vawsum Schools Pvt. Ltd**

2019   [Problem Setter] : Competitive programming problem setter on **Codechef** & **Hacker Earth**.

2019   [ProCon Junior] : Led and organised nationwide famous **Procon** coding contest on Codechef.

2018   [IIITD Launch Hackathon] : Led and organised hackathon in which **200+** teams participated.

2019   [Nirvana Night] : Led and organised nirvana night, the star night of IIIT Delhi's college fest. Managed over **1 lakh**+ footfall.

COMPUTER SKILLS

[Programming] :   C, C++, Java , MATLAB, LaTeX

[Scripting] :   Python, Bash

[Web] :   HTML, CSS, React JS, php, Slim Framework, AJAX, Js , Django

[Design] :   Fusion 360

[Unit testing] :   JUnit, Python - unittest

[Others] :   MySQL, phpMyAdmin, JavaFX, Azure-Database, Jupyter Notebook

HANDLE

[Codechef] :   dakuisback. Highest Rating : **1867**

[Github] :   shaileshvashisth

PROJECTS

FEB 2020 | ### Flair detection `Flask` `HTML` `Jupyter Notebook`

Developed a web app that can detect the flair (category) of a Reddit post of the subreddit r/india. Data was extracted using praw and used several machine learning algorithms like Linear SVC, Multinomial Naive Bayes, Logistic regression.

APR 2019 | ### Portable Orchestra `Ardunio`

Led a team which developed a wearable band device which detects motion and accordingly plays the sound of the musical instrument present in a band. Equipped with intensity sensors, faster the action, louder would be the sound produced.

JAN 2019 | ### Smart Temperature Tap `Ardunio`

Led a team which developed a tap which is controlled via an app through which the temperature of water can be set and the tap automatically closes itself after reaching the desired height which the user inputs.

FEB 2020 | ### Competitive programming website `Slim` `React JS` `OAuth 2.0`

Developed a lightweight, multi-user programming contest interface website using the **CodeChef API**. Users can login using OAuth 2.0, view contests/problems and details like ranklist, submit and run code by uploading files.

APRIL 2020 | ### Army Logistics Management website `Php` `AJAX` `Azure-Database`

Developed a multi-role Army management Logistics Web App ,with Azure Database connectivity which is normalised till BCNF form. With encryption of Passwords for the Users and Usage of various google API.

OCT 2019 | ### Multi-user chat system

Designed and implemented a multi user chat system which is like a real-time instant message board system, much like an IRC in which the users can communicate with everyone on the network.

SEP 2019 | ### Linux System call

Designed and created a linux system call which requests a service from the kernel of the operating system it is executed on.

AUG 2019 | ### Unix Shell

Designed and created a command-line interpreter or shell that provides a command line user interface for Unix-like operating systems.

SEP 2019 | ### Plants vs Zombies `JavaFX`

Developed a fully functional Plants vs Zombies game from scratch built on JavaFX platform.

SEP 2019 | ### Interactive Java GUI `Swing (Java)`

Developed an interactive Java GUI application which computes the fastest runners in different categories using underlying algorithms and displays their names and prizes based on the marathon category and other several factors.

OCT 2019 | ### Command line game `Junit Test Suite`

Developed a command line racing game application where you've to avoid obstacles and collect coins on your race track. Unit tested this with self-built **JUnit Test Suite**.

SEP 2018 | ### Weather Forecast App `Urlib` `Unittest (Python)`

Developed an app which displays the real-time temperature, humidity and other meteorological factors using the weather API. Thoroughly tested the app using python **unittest framework**.

NOV 2018 | ### Betweeness Centrality

Implemented a solution to the betweeness centrality problem in **graph theory** which gives the measure of centrality in a graph based on shortest paths.

DEC 2018 | ### 2D Object Transformations `Matplotlib`

Implemented an app to create and manipulate 2D projections of different varied shaped objects.

INTERESTS

Competitive Programming
Scuba Diving
Finance - Investment Strategies
Travelling, have explored **14+** states and **40+** cities in India.