

**VIVEK SONI**

Course : **B.E. (Hons.)**, Computer Science, 2021  
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 CGPA : 7.9



<b>Subjects / Electives</b>	Data Structures and Algorithms, Design and Analysis of Algorithms, Discrete Structures for Computer Science, Object Oriented Programming, Database Systems, Computer Networks, Software Engineering, Operating Systems, Graph & Networks, Computer Programming, Compiler Construction, Cryptography, Computational Geometry, Information Retrieval, Foundation of Data Science
<b>Technical Proficiency</b>	Data Structures, Algorithms, Competitive Programming, Object-Oriented Programming (OOP), Database Systems, C++ Language, Java, Spring Boot, Angular, TypeScript, JUnit, Karma, Node.js, JavaScript, C Programming, SQL*Plus, RESTful WebServices, MongoDB, Django, HTML + CSS

**SUMMER INTERNSHIP / WORK EXPERIENCE****Software Development Intern, BNY Mellon Technologies****May 2020 - Jul 2020**

- Worked as a Full-Stack developer with the HR Technology Team to automate the off-boarding process for the employees of Ireland and UK region.
- Developed the admin panel to enable CRUD operations for the management of employee roles and employee delegates.
- Performed testing of the APIs and frontend using JUnit and Karma respectively.
- Technology stack used: Angular 8, Java Spring Boot, Oracle 12c Enterprise Edition

**Project Intern, Bhaskaracharya Institute For Space Applications and Geo-Informatics (BISAG)****May 2019 - Jul 2019**

- Worked on the development of a video conferencing web application with custom administrative feature.
- Developed the frontend of the website using HTML+CSS and JavaScript
- Technology stack used: HTML+CSS, Javascript, NodeJS, MongoDB

**PROJECTS****Web app for simulating Scrum Role Play - Web Development****Aug 2019 - Dec 2019**

- A web app to simulate the scrum process within a short duration.
- Aimed to help students to better understand the Scrum process.
- Worked on the the Frontend as well as the Backend.
- Technology stack used: HTML+CSS, EmbeddedJS, NodeJS, MongoDB

**Online Music Streaming Platform with Lyrics Search Engine - Database Systems, Information Retrieval****Jan 2019 - May 2019**

- The website can be used to access, search and play songs online.
- Used database normalization concepts to manage data and Information Retrieval concepts to implement lyrics search.
- Developed the frontend of the website using HTML+ CSS and JavaScript
- Developed an API to serve the lyrics search request using Python and Django.
- Technology stack used: HTML+CSS, JavaScript, Java, Python, MySQL

**Online Food Ordering System - Web Development****Jan 2019 - May 2019**

- The website can be used to place orders across various food outlets on campus
- Used Agile process model and Scrum guide for project planning
- Developed the frontend of the website using HTML and CSS
- Technology stack used: HTML+CSS, ReactJS, NodeJS, MongoDB

**Recommender System and Movie Rating Predictor - Information Retrieval****Oct 2019 - Nov 2019**

- This system recommends movies to users based on their previously rated movies.
- Various techniques like SVD, CUR, Latent Factor Model and Collaborative filtering were used to predict user ratings.
- Technology stack used: Python
- Libraries used: numpy, sklearn, pandas

**AWARDS AND RECOGNITIONS****ACM ICPC Kharagpur Regionals 2019-20 Onsite Round | Rank: 38 | ACM****Dec 2019**

- Represented my college at the ACM ICPC Kharagpur Regionals 2019-20 held at IIT Kharagpur and secured a rank of 38 out of 100 teams shortlisted across India

**ACM ICPC Kharagpur Regionals 2019-20 Online Round | College Rank: 1 | ACM****Oct 2019****Google Kickstart 2020 (Round D) Rank: 757 | Google****Jul 2020****Google Kickstart 2020 (Round C) Rank: 538 | Google****May 2020****Google Kickstart 2019 (Round E) Rank: 392 | Google****Aug 2019****SnackDown (Round 1B) (Rank 436) | CodeChef****Aug 2018**

**Coding Experience****Codeforces Handle: Prozac, Handling****Jul, 2020**

Max. Rating: Expert, 1774

**Codechef Handle: Prosaic\_26****Jul, 2020**

Max. Rating: 1958

**GitHub Profile: Prosaic-26****ACADEMIC DETAILS**

COURSE	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
CLASS XII	THE NEW TULIP INT SCHOOL BOPAL AHMEDABAD GUJ	CENTRAL BOARD OF SECONDARY EDUCATION	447 MARKS	2017
CLASS X	HILL WOODS SCHOOL SECTOR 25 GANDHINAGAR GUJARAT	CENTRAL BOARD OF SECONDARY EDUCATION	9.8 CGPA	2015

**VOLUNTEER EXPERIENCE****Fresher Guide Programme (FGP)** - Role: Mentor | Cause: Education**Aug 2019 - Present**

- Guided students to transtion to college life

**EXTRA CURRICULAR ACTIVITIES****Photography**

- Was part of the Core Team of Photography Club for the academic year 2018-19
- Have been an active member of the Department of Photography since September 2017

**Scouts and Guides****Trekking****LANGUAGES KNOWN**

English, Hindi, Gujarati