

VAGISH SHANKER YAGNIK

Contact: 7042489996 | Email: vagishyagnik@gmail.com | [GitHub](#) | [LinkedIn](#)

EXPERIENCE

Software Engineering Intern, Cult.fit June 2021 – July 2021

- ❖ Worked under the care fit team for health kit integration with the existing services.
- ❖ Established a SDK for communicating with health kit db and passing on the data to the server.
- ❖ Established a server consisting all the necessary API endpoints for entering and retrieving the fitness data.
- ❖ Integrated the apis with cfapi and sdk logic with the curefit app.

Tech Stack: React Native | Node | MongoDB | HealthKit API

Subject Matter Expert, Coding Blocks Feb 2020 – April 2020

- ❖ Laid the foundation basis for an online interview preparation course along with the team.
- ❖ Recorded interactive scholastic solutions for questions involving use of data structures and algorithms.

Course Designer, Coding Blocks Feb 2020 - May 2020

- ❖ Designed, Scheduled the course structure for ISA batch related to Data Structures, Competitive programming and Interview related Problem Solving comprising around 250+ problems.
- ❖ Created the question bank from various famous competitive coding websites and resolved the doubts of students.

Teaching Assistant, Coding Blocks June 2019 – July 2019

- ❖ Mentored 100+ students of Coding Blocks in the courses Launchpad and Algo++ (Course for DSA).
- ❖ Organized online coding contests for the students on platforms like Hackerrank and Hackerblocks.

ACADEMIC PROJECTS

The Food BuFF [Website Link](#) | [GitHub Link](#)

An Online Restaurant Management System which manages the activities of Restaurant seamlessly.

- Online Food Ordering/Reservation Service.
- Administrator privileges for editing the items in Menu.
- Employee Database Management.

Tech Stack: Node.js | Express | SQLite 3 | Passport.js | Multer

GNode Compiler [GitHub Link](#)

Built a compiler for self-developed programming language with syntax similar to that of cpp and javascript.

- Performed Lexical, Syntax, Semantic analysis and generates Intermediate Code and after optimizing it produces the output.
- Key features included conditional if else, when or statements, for and while loops, recursive functions and support of 1D array making our language compatible for solving some complex class of problems like DP .

Tech Stack - C | C++ | Flex | Bison

Tetris AI [GitHub Link](#)

An AI agent that uses genetic algorithm and heuristic search to predict best possible move in Tetris Game.

- Compares the performance of multiple crossover techniques.
- Analysed the evolution of our agent using the fitness curve plotted using various parameters.

Tech Stack - PyGame | Python

Parking Automation System [GitHub Link](#)

Designed an Automatic Parking and vehicle Monitoring system. The model basically leveraged the web application and machine learning algorithms to allot the parking slot to the cars of different size.

Role:-

- Developed the complete user authentication system.
- Implemented Real Time Uploading and Fetching data using Firebase Instant SMS services to inform the user

Tech Stack - NodeJS | Express | Bootstrap | Excel.JS | Firebase.

EDUCATION

B. Tech Computer Engineering CGPA 9.15

Delhi Technological University - 2022

CBSE-XIIth 90%

S.S. Mota Singh School - 2017

CBSE-Xth 9.6 CGPA

S.S. Mota Singh School - 2015

ACHIEVEMENTS

- ❖ Hacker-Rank | [vagi999](#) | International Rank 990
- ❖ Code Chef | [vagi999](#) | 4 Star Max Rating 1841
- ❖ Global Rank 189 in June2020 CookOff Division2
- ❖ Code Forces | [vagi999](#) | Expert, Max Rating 1615
- ❖ Google Kickstart | [vaginik](#) | Round D 2020 Global Rank 856
- ❖ JEE Rank 5649 (99.5% percentile)

POSITION OF RESPONSIBILITY

Technical Lead, Team D_CODER June 2020- May 2021

- Mentored multiple teams working on various development projects which were officially deployed later.
- Conducted interactive sessions for juniors interested in Competitive Programming.

EXTRA-CURRICULAR ACTIVITIES

- Contributor at [alGOds](#) – a YouTube channel where tutorial solutions are provided for challenging problems of data structures and algorithms.
- Currently this channel has over 3.6k subscribers and 13k hours of watch time.
- Organized “Senior Se Mulaqat” (alumni meet event) with Team D_CODER.

SKILLS

Full Stack Web Developer

- HTML CSS JS
- **Runtime Environment** - NODEJS
- **Database** - SQL, NOSQL
- **ORM** - SEQUELIZE, MONGOOSE

Proficient in C | C++ | Type Script | Python | Data Structures | Algorithms

DECLARATION

I hereby declare that the details furnished above are true and correct to the best of my knowledge and belief.