Abhishek Velpumadugu

Senior Undergraduate Student
Department of Computer Science and Engineering
abhishekshek442000@gmail.com | +91-7995377012
</> LeetCode | </> codeforces | </> codechef | Abhishek | Abhishek

Academic Qualifications

Year	Degree/Certificate	Institute	CPI/%
2019 - Present	B.Tech in Computer Science	Sree Vidyanikethan Engineering College,Tpty	8.93/10
2019	Class XII (CBSE)	Saint John's School, Kota	77.20 %
2016	Class X (SSC)	Narayan E-Techno School, KPHB, Hyderabad	9.5/10

Achievements

- Acheived a Global Rank of **153** among **over 18873** participating candidates in **Codechef June LunchTime** of 2021.
- Acheived a Global Rank of **878** among **over 100000** participating candidates in **TCS CodeVita Season 10** in MAY 2022.
- Acheived a Global Rank of **6466** among **over 30000** participating candidates in **Google Kickstart Round D** in April 2021.
- Rated **knight** Programmer on **Leetcode** with a rating of **1810** and **4* Coder** on **Codechef** with a rating of **1810**.

Work Experience

- **Code Monk** | Tirupati, India *May'19 - Jul'21*
  Online Tutor
  - **Planned lessons** for small groups of 5-10 Students , providing 3 hours per week of targeted **DSA**.
  - Communicated with students to discuss academic needs and goals in order to adjust lessons and assessments Provided feedback on assignments, and retaught trouble areas until students reached 90

Projects

- **Windy - A Weather App/💻Self Project** | *API* `Github` *July'22*
  - A **Full stack web application** allowing users to visualize weather data of the **desired city**.
  - **Open Weather Map API** is used to fetch the weather of the desired city through **input leveraging forms built using HTML**.
  - **News Letter and Weather Forecast Feature** implemented using **Express.JS, HTML, CSS and JS**.
- **Vision To Impaired** | *Artificial intelligence* `Github` *sep'21*
  - A **virtual assistant built** to access desktop services which **takes voice command** as input and executes it.
  - It **comprises some features** such as send an email to users,Tells the latest feeds,**Launch any system application like powerpoint,word,notepad** etc,,
- **Microsoft Boggle Game Solver/💻Self Project** | *C++* `Github` *July'21*
  - Implemented **Backtrack** Algorithm using recursion to find all the possible solutions of **Microsoft Boggle Game**.
  - Used **Trie Data Structure** with the **Dictionary** having more than **40000** words to efficiently search words in **Matrix**.
  - Built using **C++ Object-Oriented Style** to create **Trie's header file** and used **Random generator class** for matrix.
- **Heart Disease Prediction**| *Machine Learning* *Dec'21 - Jan'22*
  Supervisor: College Professor `Report,Github`
  - Designed a **Prediction System** using Machine Learning with a accuracy of **90.2 percentage**.
  - This may help in taking preventive measure and hence can try to avoid the possibility of heart disease in patient.
  - Implemented a **Machine Learning Model** to predict if the patient have heart disease or not via **Logistic Regression and Random Forest Classifier**.

Technical Skills

- **Programming**: C++, Java, HTML, CSS,NODE JS,SQL.
- **Machine Learning**: Numpy, Pandas.
- **Utilities/Frameworks**: Command Line Terminal, Linux, Git, Vim, Github,Bootstrap.
- **Platforms**: Ubuntu, Windows

Relevant Coursework

- Data Structures and Algorithms
- Database Management Systems
- Operating Systems
- Computer Networks
- Web Development
- Machine Learning