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HEET SAKARIA

EDUCATION

K. J. Somaiya College of Engineering (KJSCE) — *B.Tech IT Engg.*

[AUGUST 2017 - PRESENT] Vidyavihar, Mumbai

SGPA:

Sem 1 : **7.23**   Sem 2 : **7.13**   Sem 3 : **8.65**   Sem 4 : **8.54**

Jai Hind College — *HSC Science - Electronics*

[AUGUST 2015 - JUNE 2017] Churchgate, Mumbai

Percentage: 89.23%

Christ Church School — *ICSE*

[2014 - 2015] Byculla, Mumbai

Percentage: 91.2%

SKILLS

Language: C, C++, Java, Python

Web Technologies: HTML, CSS, Javascript, JQuery, XML, PHP, SQL, WordPress, Angular, React

Relational Database systems: PostgreSQL, mySQL, MongoDB

Hardware: Arduino, AVR, ARM, VHDL

Image Processing: OpenCV, Pillow

Android Development: Android Studio

Interfacing: VL53L0X, LIDAR, Ultrasonic sensor and many other industrial sensors

Machine Learning: Octave, Matlab

EXPERIENCE

Webbox Studios — *Developer Intern*

[JUNE 2019 - JULY 2019] - Vidyavihar, Mumbai

[JUNE 2019 - JULY 2019] - Kurla, Mumbai

- Developing web apps using Angular
- Developing Wordpress sites
- Maintenance of sites for clients

ACADEMIC EXPERIENCE

Team KJSCE Robocon — *Bot Programmer*

[JUNE 2018 - JANUARY 2019] - Vidyavihar, Mumbai

- Interfacing industrial sensors like LIDAR, HC-SR04, Encoders etc.
- Programming AVR, ARM and Arduino
- Bot testing

PROJECTS

- **Three Wheel Drive**
  - Interfaced a joystick with a three wheel bot.
  - Embedded C
- **Fence Following Bot**
  - Programmed a bot to follow a wall while maintaining a given distance.
  - Embedded C and Ultrasonic sensor (HC-SR04)
- **Hotel Management**
  - A website for a hotel management system.
  - SQL, PHP, HTML, CSS and Javascript
- **Lane Detection**
  - Implemented a program to detect lanes on a road.
  - OpenCV
- **Invoice to Data**
  - Created an application which extracts relevant data from Invoices.
  - OpenCV, Pytesseract, RegEx
- **Eazytrip**
  - Developed a website which helps users plan their holidays
  - Bootstrap, JQuery, Javascript
- **Flappy Bird Clone**
  - Recreated the game Flappy Bird with refreshed features
  - Android Studio, LibGDX

ACHIEVEMENTS

- Award for the highest marks in Computer Applications **(100/100)** - 2015
- Principal's scholarship for standing **1st** in Electronics - 2017
- Participated in **VIT - Hackathon - 2019**
  - Project Name: **Hotel Management**
- Participated in **HackScript 1.0**
  - Project Name: **Invoice to Data**

LEAD ROLES AND TEAM-WORK

- **Class Representative** – [2017 - PRESENT]
- **College Festivals, KJSCE** – Organizing Group [2017 - 2018]

- **Team KJSCE Robocon** – Bot Programmer [JUNE 2018 – JANUARY 2019]
- **Campus Chapter of Codechef – KJSCE Codecell** – Public Relation Officer [JUNE 2019 – PRESENT]
- **KJSCE HACK 4.0** – Marketing Team [JUNE 2019 – PRESENT]