Sahil Borkar

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| **ACADEMIC DETAILS** | | | |
| **B.E,**  Electronics and Telecommunications Engineering | PICT, Pune  **Department Rank: 2**  **(S.E Semester I, 9.95 SGPA)** | **9.53 GPA** | Aug 2020  - May 2024 |
| Maharashtra State Board Of Higher Secondary Education **(Class XII)** | Dr. Kalmadi Shamarao Junior College  **CS Institute Rank: 1 Maths Institute Rank: 1** | **88%**  **(Computer Science: 195/200) (Maths: 98/100)** | Sep 2018  - May 2020 |
| **SUBJECTS** | | | |
| Skills Summary | Leadership, Communication, Smart Consistency, Negotiation, Adaptability, Debating, Event Management, German Language | | |
| Microsoft Oﬃce, Adobe Creative Suite, Python, C++, C, LaTeX, Onshape(+Simsolid), Arduino, HTML, CSS, Unity, VirtualBox, Proteus, Multisim, Assembly Language, Canva, Figma | | |
| Courses | * Scientiﬁc Computing with Python on freeCodeCamp.org * CS50 2020 on edx | | |
| **WORK EXPERIENCE** | | | |
| Saasruti Foundation,  **Secretary** | Building a **new-age education society** based in Ratnagiri, Maharashtra, **designed** and  **supervising** the infrastructure being built.  Personally did all the **paperwork** and other formalities required to set up a foundation. | | Oct 2021  -  Present |
| Arnav (Musician/Producer),  **Manager** | **Manager** to Indie artist Arnav who has garnered more than **30,000 streams** and has been featured in renowned **worldwide magazines** like **The Rolling Stones, Homegrown, The Score Magazine, The Indian Music Diaries**, and others. **Lead** and **negotiated** Record Label Agreement with Noizbloc Label. | | Jan 2021  -  Present |
| **PROJECTS** | | | |
| **Prosthetic Arm with EMG Sensors**  (Arduino, EMG Sensor, 3D printing, Motors) | Developed a Prosthetic arm for **below elbow amputees** with EMG Muscle sensors. **Designed, 3D printed and tested** the **chassis** for the prosthetic arm. Wrote a **threshold based algorithm** for pinching and grasping actions of the prosthetic arm. | | |
| **Automatic Medicine Dispenser**  (Arduino, Many actuators, I2C) | Designed and prototyped a Automatic Medicine Dispenser for **Senior Citizens** and/or **Dementia** and  **Alzheimers patients**. The Dispenser dispenses medicines on speciﬁc preset times. | | |
| **Barcode and Biometric attendance System**  (Python, UI, Database) | Designed and implemented a **frictionless** and **easy to use** attendance systems for **small scale education institutes** and **corporate spaces**. It is a **reliable alternative** to paper based solutions for attendance. | | |
| **Resistance Value Calculator (GUI WinApp)**  (Win32 API, C, GUI, Data Structures) | Wrote a **C program with Win32 API** to create a **native Windows application** which takes resistance value or colour code to give the other. The **GUI** includes **top bar menu and submenus, Buttons, Text Boxes, Text Output Boxes** etc. | | |
| **Bean** (Posture Identiﬁer)  (Concept, Blender, Algorithm, Market Research) | The Bean is a **posture** and **health tracker** consisting of a **central microcontroller chip** with **built-in Bluetooth compatibility, a 9-axis gyroscope and accelerometer, a thermometer, and an oximeter.** | | |
| **AWARDS AND RECOGNITIONS** | | | |
| **Institute Rank 1 in CS and Maths**  by KSJC | Ranked **First** in Subjects of **Computer Science** and **Mathematics** in Institutes graduating class of 2020 at the Kalmadi Shamarao Junior College | | May 2020 |
| **2nd place, Paricharcha 22’ Debate Competition** by PICT DEBSOC | Came **Runners up** in **Paricharcha 22’ Debate Competition** within a pool of **more that 300 Paritipants** | | April 2022 |
| **3rd place, 15k Marathon** by blueBrigade | Won the **bronze medal** at open group **15KM Marathon** with a total time of **1:26:51** | | July 2022 |
| **Winner, BizTech Quiz** of Credenz 22’ | **Won** the BizTech Quiz organised by **PICT IEEE** branch in Credenz 21-22 | | April 2022 |