

EDUCATION

| Degree | Specialization | Institute | Year | CPI |
|-----------|-----------------------------------|------------------|--------------|------|
| B.Tech | Computer Science & Engineering | IIT Gandhinagar | 2019-Present | 8.03 |
| HSC BIEAP | Physics, Chemistry, & Mathematics | Narayana College | 2019 | 9.88 |
| SSC CBSE | - | Narayana College | 2017 | 10.0 |

WORK EXPERIENCE

- **Software Intern** [Truminds Software Systems] May-Jul 2022
 - Coordinated in a team of four to program micro-services including **NETCONF client, Configuration, and Performance Management Application** as a part of the **5G Network Management Station**
 - Developed a **REST API** and used **NATS messaging** to enable communication between various micro-services and using **protocol buffers** to **serialize the data** between different microservices
 - Integrated the distinct micro-services and **deployed the project on cloud** server by building **Docker containers** for all the applications along with working on technologies like **InfluxDB and Kubernetes**
- **Freelancer (Solution Writing Project)** [Toppr] Feb-Mar 2022
 - Successfully cleared the **freelancer screening test** conducted by Toppr for **100+ applicants** from various colleges responsible for **clarifying the doubts of school students** of classes 11th and 12th
 - Solved **80+ chemistry problems** from the study material of the **grade of competitive exams** consisting of **multiple choice questions, and brief & long answer questions within 20 days**

PROJECTS

- **Data Analysis of World Inequality and the Pandemic** [Prof. Anirban Dasgupta] Mar-Apr 2022
 - Documented a **comprehensive report on income, economic, and carbon inequalities** interpreting raw datasets visually followed by **drawing qualitative insights** from the generated plots
 - Built a **Computational Neural Network (CNN) model** for **Covid-19 detection through chest X-rays** attaining **90% accuracy** and analyzed **correlations between registered deaths and health care centres**
- **Financial Markets Experience Program** [Finlatics] Feb-Apr 2022
 - Managed a **virtual portfolio of BSE 500 stocks** selected based on **fundamental analysis** and conducted **SWOT and Porter's five forces analysis** for four companies from **Banking and Automobile sectors**
 - Secured a position among the **top 10% Of portfolio managers** participating from **60+ colleges** across India by generating **50% returns** having **virtual holdings worth Rs. 3,00,000** eventually
- **MNIST Digit Detection using Verilog** [Prof. Joyce Mekie] Sept-Dec 2020
 - Programmed a **CNN model in Vivado and Python** to **detect numbers in the MNIST data set** based on the **pixel values of the datapoints** available as images through machine learning techniques
 - Developed the **Adder, Multiplier, Neuron, Neural Layer, and Activation Function sub-models from scratch** by taking input as **floating point numbers** and eventually integrated them to run the model

POSITIONS OF RESPONSIBILITY

- **Gully Cricket Coordinator** [Hallabol 2021] Sept-Oct 2021
 - **Organized Gully Cricket** under Hallabol, the intra-college sports festival of IIT Gandhinagar, witnessing an **overall footfall of 800+ participants** from students as well as staff members of the institute
 - **Led a team of four** responsible for looking after **scheduling of matches** between **60+ registered teams**, addressing **logistical concerns**, crowd management, and **seamless execution** of the event

EXTRA-CURRICULAR ACHIEVEMENTS/ACTIVITIES

- Secured **first position in Gully Cricket and Dodgeball** games out of **50+ teams** as a part of Hallabol 2021
- Secured a **position in the Inter IIT Cricket Squad 2019** out of **50+ competing players** from the institute
- **Captained a team** in the **Cricket Combat League 2022** and bagged **runners-up position out of eight teams**

TECHNICAL SKILLS

- **Languages:** Python, C, C++, Verilog (Beginner), Go, MySQL, PostgreSQL
- **Tools:** Autodesk Inventor, Jupiter Notebook, LaTeX, VS Code, GitHub, Docker, VMware, Postman
- **Moocs:** Financial Markets, Financial Analyst Course, The Complete Investment Banking Course