

## 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