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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 Ineuqality 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. Joycee 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