



Gitika Sonker

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B.Tech - Chemical Engineering
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Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech	Indian Institute of Technology, Guwahati	6.85 (Current)	2017 - Present
Senior secondary	CBSE board	89.0%	2016
Secondary	CBSE board	10.0	2014

Experience

- **Product Developer Intern | Invent@IITGN** May - June 2019
 - Competitively selected to participate in an intensive 6-week program of **inventing-prototyping-patenting** at IIT-Gandhinagar.
 - Designed a wearable device that monitors the **hydration level** of the human body which was the subject of provisional patent application number **201911027096** (India), **62911397**(US).

Projects

- **Interactive Resume** July 2020
Self-Project
 - Created a responsive personal portfolio webpage using **HTML** and **CSS** with the feature of downloading the official resume.
- **Coronavirus Tracker** Apr 2020
Self-Project
 - Developed an interactive dashboard using **JavaScript** and **MapBox** that displays live data of Covid-19 cases all over the world and plotted Coronavirus cases on World Map using **Covid-19 API**.
- **Password Generator** Oct 2019
Self-Project
 - Developed a password generator script using **Python** which creates a strong password which takes 1 billion years to be decrypted and has features of saving all the passwords in a single text file.

Technical skills

- **Programming languages:** C, C++, Python*, MATLAB
- **Technologies & Frameworks:** HTML, CSS, Javascript, Django
- **Database management:** MySQL
- **Miscellaneous:** Git, Arduino, Autodesk Fusion 360 *Elementary proficiency

Key courses taken

- Introduction to Computing (with Lab)
- Money and Banking
- Fundamentals of Astrophysics
- Advanced Calculus
- Linear Algebra
- Numerical Methods using MATLAB

Positions of Responsibility

- **Core Team Member, Techniche 2019-Annual Techno-Management Festival, IIT Guwahati**
Organized **14 on-campus** technical workshops during Techniche with a total participation of **1500+ students** in the workshop module.

- **Core Team Member, Reflux 2019-Annual Chemical Engineering Symposium, IIT Guwahati**
Responsible for **designing** the posters for the events, mail templates for sponsors, and posts on the social media page of Reflux.
 - **City representative, Technothon 2018-International School Championship, IIT Guwahati**
Conducted the Technothon examination for **50 schools** with a total of **500+ students** in Varanasi, Uttar Pradesh.
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Extracurriculars

- **Peer Mentorship Program:** Mentor at Saathi club for the counselling of freshmen of IIT Guwahati.
- **Social Service Club Member:** Conducted **Action Plan 2018-Annual Social Entrepreneurship Competition**.
- **Volunteer:** Event management executive at **Edvizo** for **NLCEE** (National Level Common Entrance Examination).
- **Ebiz workshop:** Attended a 1-day workshop on **Power of Networking**.