



## Chintan Bimal Maniyar

14 Desai Park Duplex,  
Opp Akar Complex,  
Manjalpur,  
Vadodara – 390011,  
Gujarat

chintanmaniyar@gmail.com



+91 922-712-3508



<https://www.linkedin.com/in/chintan-maniyar-617131112/> 

<https://github.com/Chintan2108> 

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## About Me

I am beseeched by computers, music beats and flute. I tend to rant out through my writings.

Objective: To explore and excel in Image Processing, Machine Learning and Remote Sensing via challenging milieus and ultimately gift something beautiful to the world.

## Education

### Bachelor of Technology

Chandubhai S Patel Institute of Technology,  
Charotar University of Science And Technology,  
Anand, Gujarat

Graduating, June 2019

CGPA: 9.7

### 10+2

Baroda High School (O.N.G.C.)  
GSEB Board  
Vadodara, Gujarat

Graduated, May 2015

SSC: 86%

HSC: 84%

## Work Experience

### ▪ Research Intern (Remote Sensing)

University of Georgia  
Department of Geography and Geology  
Athens, Georgia,  
United States of America  
July 2018 – Aug 2018

I have worked here as a remote sensing data analyst, processing satellite images from the Sentinel 2, Sentinel 3 and LandSat series (NASA and European Space Agency satellites), on SNAP and Google Earth Engine, for the CyanoTRACKER project. ([cyanotracker.uga.edu](http://cyanotracker.uga.edu))

Research: I conducted an independent research at the UGA titled 'Achieving Rayleigh correction in absence of satellite metadata for Sentinel 3'

### Courses:

Basics of Digital Image Processing and Remote Sensing,  
Indian Institute of Remote Sensing, Dehradun (Distant learning)  
Sept 2018

Aquatic Remote Sensing Technologies,  
National Aeronautics and Space Agency (NASA) (Webinar series)  
July 2018

## ▪ Creative Content Writer, Web developer and SEO Specialist

KickStart Solutions LLP  
Vadodara, Gujarat  
August 2017 – January 2018

Apart from creative content writing, I have performed proofreading, technical reviewing, SEO and SPAs (Single Page Applications).

## Projects

• NDVI, Vegetation Health and Age Determination (Landsat 7 Imagery, Research Inc.)	(Aug 2018 – Oct 2018)	<a href="https://code.earthengine.google.com/90aa1ec305d69bffff83cb4aff13d9f5">https://code.earthengine.google.com/90aa1ec305d69bffff83cb4aff13d9f5</a>	Google Earth Engine, SNAP, JavaScript
• CHEERBOT	(Sep 2017 – Jun 2018)	(Publication accepted as a book chapter: <a href="https://www.igi-global.com/book/">https://www.igi-global.com/book/</a> - IGI Global, e-editorials)	Python, NLP, NLTK
• Sentinel 3 Satellite Imagery Dashboard with different visualizations (True color, False color, NDVI, NDCI, CCD, SSC, PC3)	Jul 2018 – Aug 2018)	<a href="https://code.earthengine.google.com/4aaa88ef78c6c3f067eea2f3a3c0ac4c">https://code.earthengine.google.com/4aaa88ef78c6c3f067eea2f3a3c0ac4c</a>	Google Earth Engine, SNAP, JavaScript
• CyanoTRACKER	(Jun 2018 – Jul 2018)	<a href="http://cyanotracker.uga.edu">cyanotracker.uga.edu</a> <a href="https://github.com/Chintan2108/LocationFetcher-v2.1">github.com/Chintan2108/LocationFetcher-v2.1</a> <a href="https://github.com/Chintan2108/ESA-SNAP">github.com/Chintan2108/ESA-SNAP</a>	Python, JavaScript, Google Earth Engine, SNAP
• Online Transcript Management System	(Jan 2018)	<a href="https://github.com/Chintan2108/Transcript-Management-System">github.com/Chintan2108/Transcript-Management-System</a>	HTML, CSS, Bootstrap, PHP, JavaScript
• CentralEased	(Feb 2018)	<a href="https://github.com/Chintan2108/CentralEased">github.com/Chintan2108/CentralEased</a>	Python, Flask, HTML, CSS
• PyText – A simple text editor	(Sep 2017)	<a href="https://github.com/Chintan2108/PyText">github.com/Chintan2108/PyText</a>	wxPython
• Seminar Hall Booking System	(Feb 2017 – Apr 2017)	<a href="https://github.com/Chintan2108/Seminar-Hall-Booking-System">github.com/Chintan2108/Seminar-Hall-Booking-System</a>	HTML, CSS, Bootstrap, PHP, JavaScript
• Apparel Billing System	(Nov 2016),	<a href="https://github.com/Chintan2108/Apparel-Billing-System">github.com/Chintan2108/Apparel-Billing-System</a>	C++

## Trainings

- Fundamentals of Aquatic Remote Sensing (UGA, NASA Webinar), Jul 2018
- Ruby on Rails – 2 days training (CHARUSAT), Feb 2018
- Open Data Science Workshop – 2 days' workshop (IIT Bombay), Dec 2017
- Google Android with Applied Computer Science – 1-week training (Google Developer Student Club, CHARUSAT), Oct 2017
- Programming and DSA with Python – 6 weeks online course (NPTEL – IIT Madras), Jul 2016 – Sep 2016
- Cyber Security and OWASP Top 10 – 2 weeks training (Azure Skynet, IIT Hyderabad, @Vadodara), Jun 2016
- Google Polymer – 2 days' workshop (GDG Vadodara, MSU), Feb 2016
- Ethical Hacking, Level 1 – 2 days' workshop (TechDefense Anand, @CHARUSAT), Sep 2015

## Career Highlights

- Core Team Member – Google Developers Student Club, CHARUSAT
- Editor in Chief – ‘The Quill’, CHARUSAT’s university magazine
- Founder – Astronomy Club, Baroda High School ONGC - [astroclubbhs.blogspot.com](http://astroclubbhs.blogspot.com)- (28<sup>th</sup> Nov 2011)
- Won numerous coding competitions by Computer Society of India and other Techfests (Footprints, Udaan)
- Successfully completed working projects with demonstration at Infostretch Corporation (Ahmedabad), Gujarat Hackathon and of the likes
- Co-ordinated and organized various workshops and events at Gujarat state level (college techfest - Cognizance)

## Skills

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|---|---|---|
| • Programming (Python, C, C++, JAVA)            | • Web Development (HTML 5, CSS 3, Bootstrap 3.3.7, PHP, Django, Javascript, DB-MySQL) | • Google Earth Engine                               |
| • Machine Learning and Data Analysis, NLP, NLTK | • Satellite Image Processing – ESA SNAP Tool  | • Aquatic Remote Sensing                            |
|   |   | • OpenCV – Facial Recognition and Image Translation |

## Languages

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|-----------|-----------------------|
| • Hindi   | • Gujarati            |
| • English | • German (Elementary) |

## Personal Interests

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|---------------------------------------|--|
| • Music – Listening, Singing, Fluting | • Astrophysics and Cosmology – Delivering Lectures |
| • Orating                             | • Star Gazing                                      |
| • Creative Writing                    | • Reading Anthropology                             |