



Chintan Bimal Maniyar

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[My Web Portfolio](#)

[My LinkedIn Profile](#)

[My GitHub Profile](#)

Career Objective

To explore and excel in 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: 9.57/10

10+2

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

Graduated, May 2015

SSC: 86% (May, 2013)

HSC: 84% (May, 2015)

Skills

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

Work Experience

■ Project Intern (ML & NLP)

Dec 2018 – Present

Indian Institute of Technology, Bombay

I work here as a project intern for text classification using ML, NLP, NLU and NLI - word embeddings and entity based summarization at sentence level, and representation with technical and managerial panoramas.

■ Research Intern (Remote Sensing)

Jul 2018 – Aug 2018

University of Georgia, GA, USA

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)

■ Creative Content Writer, Web developer and SEO Specialist

Aug 2017 – Jan 2018

KickStart Solutions LLP, Vadodara

Apart from creative content writing, I have performed proofreading, technical reviewing, SEO and SPAs in Django and HTML + CSS stack, and RPA.

Trainings

- Remote Sensing and Digital Image Analysis (IIRS, ISRO DLP), Sep 2018
- Fundamentals of Aquatic Remote Sensing (UGA, NASA Webinar), Jul 2018
- Ruby on Rails (Training @CHARUSAT), Feb 2018
- Open Data Science (Workshop @IIT Bombay), Dec 2017
- Google Android with Applied Computer Science (Google Developer Student Club, CHARUSAT), Oct 2017
- Programming and Data Structures and Algorithms with Python (NPTEL - IIT Madras), Jul 2016 - Sep 2016
- Cyber Security and OWASP Top 10 (Azure Skynet, IIT Hyderabad, @Vadodara), Jun 2016
- Google Polymer (GDG Vadodara, MSU), Feb 2016
- Ethical Hacking, Level 1 (TechDefense Anand, @CHARUSAT), Sep 2015

Projects

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|---|--|---|
| <ul style="list-style-type: none">• Text Classification and Context Mining for Document Summarization <i>Dec 2018 – Present</i> VIEW DETAILS | Categorically summarizing responses into a well formatted document by text classification and NLU for context mining | <i>Python, BERT, NLP, word embedding, Machine Learning</i> |
| <ul style="list-style-type: none">• NDVI, Vegetation Health and Age Determination <i>Aug 2018 – Oct 2018</i> VIEW DETAILS | A dashboard in Google Earth Engine to visualize and analyze NDVI for the Landsat 7 near real-time satellite imagery dataset | <i>Google Earth Engine, SNAP, JavaScript, CODA (ESA)</i> |
| <ul style="list-style-type: none">• CyanoTRACKER (Research at UGA) <i>Jul 2018 – Aug 2018</i> VIEW DETAILS VIEW DETAILS (Project - 2 in research) | <ol style="list-style-type: none">1. Real time map marker based on tweet location and keywords2. Sentinel 3 Satellite Imagery Dashboard on GEE with different visualizations (True color, False color, NDVI, NDCI, CCD, SSC, PC3) | <i>Python, Twitter API, JavaScript, Google Earth Engine, SNAP, CODA (ESA)</i> |
| <ul style="list-style-type: none">• CHEERBOT (ML, NLP) <i>Sep 2017 – Jun 2018</i> VIEW DETAILS | A chatbot that analyzes the user's sentimental state and strikes up a cheerful conversation if the user is sad - Now a publication at IGI Global (book chapter) | <i>Python, NLP, NLTK, Voice Analysis, Machine Learning</i> |
| <ul style="list-style-type: none">• CentralEased (ML, Face Recognition) <i>Feb 2018</i> VIEW DETAILS | An attempt to create a centralized database using machine learning over all existing databases of a person's information, based on his face picture as ID | <i>Python, Flask, OpenCV HTML, CSS, Machine Learning</i> |
| <ul style="list-style-type: none">• Online Transcript Management System <i>Jan 2018</i> VIEW DETAILS | A web portal to facilitate the process of acquiescing transcripts from the university for the students staying far away | <i>HTML, CSS, Bootstrap, PHP, JavaScript</i> |
| <ul style="list-style-type: none">• Seminar Hall Booking System <i>Feb 2017 – Apr 2017</i> VIEW DETAILS | A web portal to automate the process of booking seminar halls in our university | <i>HTML, CSS, Bootstrap, PHP, JavaScript</i> |

Achievements

- Co-Founder Astronomy Club, Baroda High School ONGC ([Affiliated by Astronomers Without Borders](#))
- Selected for final year project at U.R. Rao Satellite Centre, ISRO
- Core Team Member - Developers Student Club run by Google, CHARUSAT
- Editor in Chief - 'The Quill', CHARUSAT's university magazine
- Won scholarships from college based on academic performance
- 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, Vishwakarma Hackathon (Ahmedabad)
- Co-ordinated and organized various workshops and events at Gujarat state level (college techfest - Cognizance)