Chintan Bimal Maniyar

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[My Web Portfolio](#) 🌐
[My LinkedIn Profile](#) in
[My GitHub Profile](#) ⦿

Career Objective

To develop a research career and excel in Remote Sensing, NLP and Machine Learning 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

Graduated, May 2019
CGPA: 9.62/10

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 (Machine Learning & Natural Language Processing)**
  Dec 2018 – Present
  Indian Institute of Technology, Bombay
  I work here as a research intern under Prof Ganesh Ramakrishnan for text classification using ML, NLP, NLU and NLI - word embeddings and entity based summarization at sentence level, developed algorithm for sentence pair similarity, and supervised web development in Django with technical and managerial panoramas. I handle a team of 4 as the project team lead and oversee the client interaction and recruitment process. I am also a student mentor at IITB, teaching Probability Theory and Statistical Modelling to the incoming interns.
  Current Research: *Text Classification, Sentence Endorsement, BERT*

- **Research Intern (Remote Sensing)**
  Jul 2018 – Aug 2018 onsite, now remotely
  University of Georgia, GA, USA
  I have worked here as a research intern under Dr. Deepak Mishra for satellite image analysis and photogrammetry, and 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)
  Current research: *Rayleigh Correction for Sentinel 3 Satellite Imagery*

- **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
- CCNA Routing and Switching – Module 1 (Cisco Networking Academy, CHARUSAT), Feb 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

Project	Description	Technologies
Text Classification and Context Mining for Document Summarization *Dec 2018 – Present* VIEW DETAILS	Categorically summarizing responses into a well formatted document by text classification and NLU for context mining	*Python, BERT, NLP, word embedding, Machine Learning, Django*
NDVI, Vegetation Health and Age Determination *Aug 2018 – Oct 2018* VIEW DETAILS	A dashboard in Google Earth Engine to visualize and analyze NDVI for the Landsat 7 near real-time satellite imagery dataset	*Google Earth Engine, SNAP, JavaScript, CODA (ESA)*
CyanoTRACKER (Research at UGA) *Jul 2018 – Aug 2018* VIEW DETAILS VIEW DETAILS (Project - 2 in research)	1. Real time map marker based on tweet location and keywords 2. Sentinel 3 Satellite Imagery Dashboard on GEE with different visualizations (True color, False color, NDVI, NDCI, CCD, SSC, PC3)	*Python, Twitter API, JavaScript, Google Earth Engine, SNAP, CODA (ESA)*
CHEERBOT (ML, NLP) *Sep 2017 – Jun 2018* 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)	*Python, NLP, NLTK, Voice Analysis, Machine Learning*
CentralEased (ML, Face Recognition) *Feb 2018* 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	*Python, Flask, OpenCV HTML, CSS, Machine Learning*
Online Transcript Management System *Jan 2018* VIEW DETAILS	A web portal to facilitate the process of acquiescing transcripts from the university for the students staying far away	*HTML, CSS, Bootstrap, PHP, JavaScript*
Seminar Hall Booking System *Feb 2017 – Apr 2017* VIEW DETAILS	A web portal to automate the process of booking seminar halls in our university	*HTML, CSS, Bootstrap, PHP, JavaScript*

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 (Bangalore)
- 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)