NIKESHA PATEL

Rana Society , Chhapra Road ,
Navsari – 396445
Email ID -nikeshapatel107@gmail.com
Contact No -9099831942
Birth Date - 10th July, 1995

WORK EXPERIENCE

Junior Research Fellow   **(Nov,2018 to March,2020)**
Space Application Center in collaboration with Gujarat University
- ISRO Funded project titled,**"Retrieval of Chlorophyll-a concentration and Phytoplankton Size Class using GISAT (MX-VNIR and HYSI)"**
- Analysis of different type of satellite data
- Software development based on satellite data analysis and basic algorithms for ocean color satellite data.

EDUCATION

Ph.D. in Computer/I.T. Engineering   **(Pursuing from 2020)**
Enrolled in year 2020-21 at Gujarat Technological University
Research Area : Image Processing using Computer Vision
Thesis Outline : Real-time distance measurement covered by moving object using computer vision

M.E. in Information Technology   **(2016-2018)**
Gujarat Technological University **(CPI – 8.98/10)**
Shantilal Shah Government Engineering College, Bhavnagar
Dissertation Details : Speed Estimation and Speed Violation Detection using Computer Vision

B.E. in Computer Engineering   **(2012-2016)**
Gujarat Technological University **(CGPA – 8.15/10)**
L.D. College of Enginnering , Ahmedabad
Project : Vehicle Speed Detection using image processing operations

H.S.C.   **(March-2012)**
GSHSEB(PCM – 86.66%)

S.S.C.   **(March-2010)**
GSEB(91.85%)

TECHNICAL SKILLS

Programming language/Web Technologies:
Python along with OpenCV , GDAL , multiprocessing , PyQt
Additionally, Basics of Java , Basics of C & C++ , Basics of PHP , html , css
Tools :
Python IDLE , Anaconda , ENVI , Visual Studio, LATEX , Autopsy Tool(Digital Forensics)

PROJECTS DURING GRADUATION

Project Title: SPEED EYE CATCHER The Speed Eye Catcher System results the speed of vehicle from video data using basic image processing techniques. Speed Eye Catcher System includes basic image processing operations using Python with OpenCV library. Tools Used : Python IDLE, OpenCV	
Other Projects	• Online Quiz web application (in PHP) • Shortest Route Puzzle with solution (in Java) • Tic-Tac-Toe Game single Player(In Java,VB.NET) • Loop The Loop puzzle solver(In Java)

PUBLICATION DETAILS

Paper Title	National / International	Conferences / Journals	Remarks
An algorithm for speed estimation and speed violation detection of a vehicle using computer vision	International	International Journal of Advance Research in Computer Science (ISSN : 0976 – 5697) pp. 504-508	Published

REFERENCE

1. Syed Moosa Ali
   Scientist/Engineer-SD,
   Space Application Centre,ISRO,
   Ahmedabad-380015
   Mobile No. – 9426955861

2. Dr. Keyur N Brahmbhatt
   Head & Associate Professor of I.T. Dept.
   B.V.M. Engineering College,
   Vallabh Vidyanagar – 388125
   Mobile No. - 9428900107

3. Shardul J Agravat
   Asst. Prof., Department of I.T.,
   Shantilal Shah Engineering College,
   Bhavnagar-364001
   Mobile No. – 9428078265