

# Meet N. Gandhi

BACHELOR'S IN COMPUTER ENGINEERING

DATE OF BIRTH: 6TH JAN 1999

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## OBJECTIVE

Never to stop learning new technologies and to practically implement it to solve real life problems faced by industries and provide solution.

## EDUCATION

**2016-2020**

**BACHELOR'S IN COMPUTER ENGINEERING, NMIMS**

Currently having 3.36/4 CGPA and stand in top 5% students in class.

**2016**

**HIGHER SECONDARY CERTIFICATE, NIRMAN**

Completed higher secondary schooling with 80.81 percentile.

**2014**

**SECONDARY SCHOOL CERTIFICATE, NIRMAN**

Completed higher secondary schooling with 92.56 percentile.

## WORKING EXPERIENCE AND INTERNSHIP

**SEPT 2018 – PRESENT**

**SOFTWARE DEVELOPER, PIONEER**

- Working as a full-stack web developer at Pioneer automobiles, an automobile sales company based in Ahmedabad. Currently working on the development of management portal.
- The entire software was created on java, the main idea behind this software was to reduce the management efforts and time consumed by employees.

**MAY 2018 – JULY 2018**

**DATABASE OPERATOR, BOMBAY STOCK EXCHANGE**

- Resolved time stamping issue while real time data migration from MS SQL database to PostgreSQL using foreign data wrapper.
- Participated in creating an application using socket programming for testing number of trades the system can handle successfully.

**JULY 2016 – PRESENT**

**DRONE ENGINEER, UASNMIMS**

PRESENT Team Member at Team UAS NMIMS. The team specializes in drone technology and has been conducting extensive research and development in the field of UAVs. I am a part of computational team which mainly works with image processing team and Interop team.

## TECHNICAL SKILLS

Categories	Technologies
Core Languages	C, Java, Python, C++
Web Technologies	HTML, CSS, Materialized CSS, JavaScript, jQuery, Bootstrap, Node JS, JSP, Servlets, EC2, RDS

<b>IDE</b>	Eclipse, Android Studio, IntelliJ IDEA, Mat-lab
<b>Microcontroller/Microprocessor</b>	Raspberry pi, Naze 32, Node MCU
<b>OS</b>	Windows, Ubuntu, RHEL
<b>Database</b>	MYSQL, Oracle, PostgreSQL, MongoDB, Firebase
<b>Concepts</b>	Data Structures & Algorithm, OOP, SDLC models, operational research
<b>Application Server</b>	Apache Tomcat

## KEY-PROJECTS

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- **E-EXAMINATION WEB APPLICATION (1<sup>ST</sup> YEAR):** Secured general purpose online examination platform using Java, Servlets, JSP, MYSQL. This application can be used to conduct any examination, user needs to enter the questions with correct answer and according to the selected question number mention, test can be generated which can be given by students simultaneously by creating their account.
- **UAS-NMIMS (2<sup>ND</sup> YEAR):** Created a responsive website for the team UASNIMMS which is a student-based research team for making unmanned aerial vehicles.
- **MONEY MANAGER (2<sup>ND</sup> YEAR):** An android application which helps users to keep track on where and how much they use made by using Firebase as database. This project was under android course in my second year of engineering. This project was out final submission for term work.
- **TRADING SIMULATOR (2<sup>ND</sup> YEAR):** An automated system for Client –Server request simulation Via Socket Programming with graphical user interface. This project was a part of summer internship and was used to check reliability of system by performing stress testing.
- **QUOD-COPTER (3<sup>RD</sup> YEAR):** Created A quad-copter from scratch, with 30 minutes of flying time. The entire system was made autonomous by using pixhawk as autopilot
- **MACHINE LEARNING USING PYTHON GUI-TKINTER (3<sup>RD</sup> YEAR):** A GUI based (Tkinter) python program integrated with machine learning via pandas and matplotlib that allows the users to apply any machine learning algorithm on a user provided CSV file.
- **SMART IRRIGATION SYSTEM (4<sup>TH</sup> YEAR):** A autonomous system based on Node MCU working as master, Wemos mini d1 as slave and Firebase for taking readings and performing data interpretation of moisture, humidity and temperature level at any farm.
- **MACHINE LEARNING BASED LIP READING (4<sup>TH</sup> YEAR):** Creating a hybrid CNN-RNN model for accurately predicting spoken words or sentences from the input video data

## COURSE/ SEMINARS/ WORKSHOP/ ACHIEVEMENTS

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- Completed [Microsoft Certified](#) course related to web development.
- Participated in [IIT kharagpur](#) Operating system model through Quality Enhancement in Engineering Education (QEEE).
- Certified for [Python Programming](#) by Internshala.
- Attended a workshop for [Google Android Development](#).
- Attended a workshop organized by [Microsoft for Cordova](#) (Mobile app development).
- Attended google workshop for [Google Cloud On-board: Big Data & Machine Learning](#).
- Attended a [Cyber Security](#) workshop organized by Rahul Tyagi (Vice President - Training at Lucideus).
- Attended couple of [Hackathon](#) and developed a website.
- Attended several [Model United Nations](#) (MUN) including IIT Bombay TW-MUN.

- Participated in [WRC – Quadcopter challenge](#) of TechnoXian, held at Thyagraj Stadium, New Delhi (India).
- Participated at 3<sup>rd</sup> [International conference](#) on Academic and Industrial Innovations: Transitions in Pharmaceutical, Medical and Biosciences.

## HONOURS

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- Part of the team UAS NMIMS, which secured 5<sup>th</sup> [Rank All Over the World in AUVSI-SUAS](#) (Unmanned Aerial System) drone competition held at Maryland, USA
- Held a position as [SECRETARY of CSI](#) (Computer Society of India), a union of computer science engineering students all over India who conduct various workshops to create awareness regarding new technological advancements.

## TECHNICAL DESIGN PAPER

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- Technical design Paper for [15th AUVSI Student UAS Competition](#) Mukesh Patel School of Technology Management and Engineering
- Technical design for [16th AUVSI Student UAS Competition](#) Mukesh Patel School of Technology Management and Engineering
- Technical design for [17th AUVSI SUAS Competition](#) Mukesh Patel School of Technology Management and Engineering

## RESEARCH EXPERIENCE

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- Member of IDB group under prof. Santosh Bothe which carries on various projects, participated in project based on "[Electronic Health Record](#)" in my first year of engineering. Which was based on selection of parameters for accurately prediction of diseases.
- Conducted a research with prof. Prashant Udavant regarding "[Enhancement in Smart Irrigation System](#)". A hardware product was created which measures moisture, temperature and humidity of soil and provide water accordingly to the soil.

## RESEARCH PUBLICATIONS

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- "[Synchronization of Machine Learning into Electronic Health Records](#)" International Journal of Computer Application (in review).
- "[Pre-processing of non-symmetrical images for edge detection](#)" Accepted INTERNATIONAL JOURNAL OF ADVANCED RESEARCH (IJAR)

## TEACHING EXPERIENCE

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**APRIL 2016- JUNE 2016**

**TEACHING ASSISTANT**, SHRINATH VAKHARIA INSTITUTE OF CHEMISTRY

Working as a teaching assistant at an institute where I used to study, for my Higher Secondary Certification. Conducted several lectures, doubt clearing section and test paper checking task.

## REFERENCES

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Dr. Nitin Choubey  
HOD of Information Technology  
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Prof. Sachin Chauhan  
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