

# Hiren Nareshbhai Chalodiya

FINAL YEAR (B.TECH.) | COMPUTER SCIENCE AND ENGINEERING | IIT JODHPUR  
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## EDUCATION

### IIT JODHPUR

B.TECH IN COMPUTER SCIENCE AND ENGINEERING

Expected 2021 | Jodhpur, Rajasthan

CGPA: **9.51/10 (upto 6th sem)**

Department Rank: 2

### AASHADEEP SCIENCE BHAVAN

HIGHER SECONDARY CERTIFICATE

2017 | Surat, Gujarat

Percentage : **95% (PCM: 98.33%)**

### SADHANA NIKETAN VIDHYALAY

SECONDARY SCHOOL CERTIFICATE

2015 | Surat, Gujarat

Percentage : **94.83%**

## COURSEWORK

### UNDERGRADUATE

Data Structures and Algorithms

Object Oriented Analysis and Design

Algorithm Design and Analysis

Database Systems

Compiler Design

Operating System

Data Communication

Computer Networks

Software Engineering

Discrete Mathematics

Computer Organisation and Architecture

Theory Of Computation

Digital Logic and Design

Financial Engineering

Probability, Statistics and Random Processes

## SKILLS

### PROGRAMMING

Proficient:

• Python • C/C++

Familiar:

• Java • JavaScript

### WEB TECHNOLOGIES

• HTML • CSS

### FRAMEWORKS & UTILITIES

• Django • Solr • Bootstrap

• Nutch • Scrapy • React

• Electron • Flask

• Git

## LINKS

Github://[hirechalodiya1](https://github.com/hirechalodiya1)

LinkedIn:// [hiren-chalodiya](https://www.linkedin.com/in/hiren-chalodiya)

## EXPERIENCE

### AZURE MIGRATE FOR SMB | MICROSOFT SUMMER INTERN

May 2020 - July 2020

Mentors: Logan Smith, Damon Stephenson

- Developed a prototype for cloud migration tool for SMBs
- Designed few clicks solution for client to migrate their services to Azure within 24 hours
- Critically analysed different approaches and implemented **lift and shift** migration approach
- Used agent based approach to assess client's on premises machine.

## RESEARCH AND PROJECT

### AUTHOR NAME DISAMBIGUATION | RESEARCH PROJECT

Jan 2020 - August 2020 | Jodhpur, India

Mentor: Dr. Suman Kundu

- Created Gold Dataset that contains over **20k+** articles
- Designed algorithms to solve the homonym and the synonym problem with **83%** efficiency

### DEEP PACKET INSPECTION | RESEARCH PROJECT

Jan 2020 - August 2020 | Jodhpur, India

Mentor: Dr. Sumit Kalra

- Created a stand-alone system for deep packet inspection in mobile devices
- Implemented a technique to analyse header and content of packets

### AGROSEARCH | B.TECH. PROJECT

Jan 2019 - April 2019 | Jodhpur, India | Open sourced at [Github](#)

Mentor: Dr. Sumit Kalra

- Developed domain based **Search engine** on Solr.
- Built a separate **web crawler** in Python using scrapy framework.
- Indexed **1M** sites using Nutch and customized crawler (written in python) for optimization purpose.

### AGRISYNC | SOFTWARE ENGINEERING COURSE PROJECT

Jan 2019 - April 2019 | Jodhpur, India

Mentor: Dr. Sumit Kalra

- Implemented the backend, designed the database and UI/UX of the platform and wrote various unit tests with **99.9%** test coverage.
- Collaborated with three other programmers.

## ACHIEVEMENTS

2018 Branch(CSE) **topper** of year 2017-18 at IIT Jodhpur.

2018 Received Academic Excellence Award from the institute.

2017 Scored **4th rank** in Gujarat state board entrance exam (ACPC).

2017 JEE Advanced **AIR 2864**, JEE Mains **AIR 6037** Among Top **0.2%**

## POSITIONS OF RESPONSIBILITY

2018-19 **Student Guide** Student Counselling Service, IIT Jodhpur

2018-19 **Captain** Science Club, IIT Jodhpur

## EXTRACURRICULAR

2018 **Student Coordinator** Microsoft code.fun.do++ hackathon

2018-19 **Assistant head** IGNUS, Web-development

2018-19 **Assistant head** IGNUS, Marketing