

Hiren Chalodiya

PRE-FINAL YEAR (B.TECH.) | COMPUTER SCIENCE AND ENGINEERING | IIT JODHPUR
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IIT JODHPUR

B.TECH IN COMPUTER SCIENCE AND ENGINEERING

Expected 2021 | Jodhpur, Rajasthan
Cum. GPA: **9.43/10 (upto 4th sem)**

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

COMPUTER SCIENCE CORE

Data Structures and Algorithms
Object Oriented Analysis and Design
Software Engineering
Discrete Mathematics
Computer Organisation and Architecture
Theory Of Computation
Digital Logic and Design
Compiler Design*
Operating System*
Data Communication*
Algorithm Design and Analysis*

MATHEMATICS

Probability, Statistics and Random Processes
Complex Analysis and Differential Equation
Linear Algebra and Calculus
Ordinary Differential Equation*

SKILLS

PROGRAMMING

Proficient:

• Python • C/C++

Familiar:

• Java

WEB TECHNOLOGIES

• HTML • CSS • JavaScript

FRAMEWORKS

• Django • Solr • Bootstrap

UTILITIES

• Git • JetBrains IDE

OPERATING SYSTEMS

• Ubuntu • Windows

LINKS

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

LinkedIn:// [hiren-chalodiya-277b95157](https://www.linkedin.com/in/hiren-chalodiya-277b95157)

PROJECTS AND EXPERIENCE

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.
- Designed an architecture to **synchronize** query response of different Solr core instances.
- Setup Hadoop instance for **distributed crawling**.
- Technologies: Solr, Nutch, Django, Scrapy, Hadoop

AGRISYNC | SOFTWARE ENGINEERING COURSE PROJECT

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

Mentor: Dr. Sumit Kalra

- Designed an **architecture** for multiple types of users.
- Implemented the backend, designed the database and UI/UX of the platform.
- Wrote various unit test cases in Python with **99.9%** test coverage.
- Collaborated with three other programmers.
- Technologies: Django, Coverage, Coveralls, Travis

BO - THE BOT | MICROSOFT CODE.FUN.DO++ 2018

Jan 2018 - April 2018 | Jodhpur, India

- Developed a **messenger bot** to act as a helpline during natural disasters.
- Implemented using messenger bot API and Flask as backend server.
- Collaborated with two other programmers.
- Technologies: Flask, Messenger Bot Framework

IGNUS | MVC DRIVEN PLATFORM FOR ANNUAL COLLEGE FESTIVAL

Oct 2018 - Feb 2019 | Jodhpur, India

- Designed UI/UX of the platform used by 2000+ users.
- Collaborated with 3 other programmers.
- Technologies: Django, HTML/CSS, Bootstrap, JavaScript

GYMKHANA PORTAL | WEB PORTAL AND FORUM FOR GYMKHANA

[Project Link](#) | Jodhpur, India

- Wrote various unit test cases in python with coverage **95%**.
- Added ability to **customize HTML through admin panel**.
- Designed UI/UX of the platform used by 1000+ users.
- Technologies: Django, HTML/CSS, MD Bootstrap, JavaScript

ACHIEVEMENTS

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

2017 Scored **4th rank** in Gujrat 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

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

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