

# SIRPA SAHUL

Junior | CSE | IIT Palakkad

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## Education

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### IIT Palakkad, Kerala

B.Tech Computer Science and Engineering

**CGPA: 8.82/10**

**Jul 2017 - Apr 2021(Expected)**

### Vijaya Ratna Junior College, Hyderabad

Intermediate Education

**Secured 977/1000 in TSBIE 2017**

**June 2015 - Apr 2017**

### Jawahar Navodaya Vidyalaya, Adilabad

High School Education

**Secured 9.8/10 CGPA in AISSE 2015**

**June 2010 - Apr 2015**

## Relevant Coursework

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**Deep Learning, Artificial Intelligence**, Linear Algebra, Probability and Statistics, Abstract Algebra, **Data Structures and Algorithms, Discrete Mathematics**, Paradigms of Programming Languages, **C programming, Operating Systems, DataBase Management Systems, Design and Analysis of Algorithms**, Compiler Design

## Experience

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### Software Engineering Intern @ YoloBus Travel Tech

**Apr 2020 - Jun 2020**

- I had been a part of the user-facing product team and had also worked on the partner web app of the company. The technologies I have used during my internship period were PHP, CSS, JavaScript, Bootstrap, PostgreSQL.

## Projects

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### Compiler Project

**Jan 2019 - Mar 2019**

- Built a lexer and parser for tiger language(toy language) In Standard ML .

### eXpOS NITC Operating System:

**July 2018 - Nov 2019**

- I had built a basic operating system which will run on Linux machines. It can do basic tasks like executing a file and it supports addition and removal of files.

### Handwritten Digit Recognition:

**Nov 2018 - Dec 2018**

- Built a basic neural network to detect handwritten digit from scratch in python

## Skills

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- **Programming Languages: C, C++, Python:** Comfortable in programming in these languages
- **Machine Learning:** Have decent knowledge about concepts and applications of supervised learning algorithms like linear regression, logistic regression and unsupervised learning algorithms like k - means clustering, and visualisation techniques like PCA
- **Deep Learning:** I have knowledge about Deep Learning Algorithms like **CNN, RNN**, and optimization algorithms like gradient descent, RMS prop, Adam optimizer and their implementation using frameworks like **TensorFlow**, Keras
- **Web Technologies:** HTML, CSS, Bootstrap, JQuery, JavaScript, NodeJS( basic), PHP, JSON
- **DataBases:** Had Experience in working with MySQL, MongoDB, PostgreSQL
- **Competitive Programming:** Have decent knowledge about **Algorithms and Data Structures**, *codechef*, *hackerrank*, *spoj* : /sahul343 , *codeforces*: /sirpasahul343
- **Others:** Git, basic shell scripting

## Positions of Responsibility

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- **Tutor for Python bootcamp** **NOV 2019**  
Conducted Intermediate python bootcamp for all branches in IIT Palakkad.
- **Class Representative - semester I** **Aug 2017 - Dec 2017**  
Represented the 2017 batch in the class committee meetings for the semester I.

## Participation

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- **ACM ICPC Qualification Round 2019** : Our team secured a rank of **585** out of 4100 teams
- **Jio Coding Hackathon - Inter IIT Tech Meet 2018**

## Achievements

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- **Rank 3396: JEE ADVANCED 2017** (approx 2 lakh people appeared)
- **Rank 381: AP EAMCET 2017**(approx 1 lakh people appeared)