

# Archit Checker

<https://checker5965.github.io/>  
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## EDUCATION

### ASHOKA UNIVERSITY

#### COMPUTER SCIENCE

Expected May 2020 | NCR, India

Cum. GPA: 3.87/4.0

Major GPA: 3.94/4.0

Dean's List: All Semesters

### CITY MONTESSORI SCHOOL

Grad. May 2017 | Lucknow, India

Grade 12: 90%

Grade 10: 96.2%

## LINKS

Github:// [checker5965](#)

LinkedIn:// [architc](#)

## COURSEWORK

### UNDERGRADUATE

Introduction to Programming

Discrete Mathematics

Computer Organization Systems

Advanced Programming

Probability and Statistics

Entrepreneurial Marketing & Finance

Data Driven Journalism<sup>#</sup>

### MOOCS

CS50x: HarvardX (View Certificate)

Kaggle Learn (Machine Learning)

### MISC. COURSES

IR and Data Mining: IITK Summer School

Big Data: Prof. Jeniffer Widom

## SKILLS

### PROGRAMMING

Intermediate:

Java • C • Python

Beginner:

JavaScript • C++

### TOOLS

Flask • jQuery • git

ΛT<sub>E</sub>X • CSS • HTML

### DATA ANALYSIS

Python • R

SQL • Tableau • SKLearn

## EXPERIENCE

### TRIVEDI CENTRE FOR POLITICAL DATA | FULL STACK INTERN

Dec 2018 – Ongoing

- Added functionality for reading custom datasets and realtime ID, Column, and Sort spec changes to Surf - A name resolution software.
- Mined Normalization rules using an approach similar to KMP Algorithm.

### KING'S COLLEGE LONDON | RA TO DR. KAMINI GUPTA

Dec 2018 – Jan 2019

- Responsible for cleaning datasets and analyzing them.
- Ran regressions on the consolidated data.

## PROJECTS

### CLASSIFIER C | MACHINE LEARNING IN C

Sep 2018 – Nov 2018

- Wrote a Naive Bayes and KNN Classifier in C from scratch in a team of two.
- Done to get a taste of Machine Learning without taking any Machine Learning coursework in college.

### AUTOMATED LIBRARY BUDGETING | DATA ANALYSIS IN R

Sep 2018 – Nov 2018

- Analyzed the library data using R to figure out utilization rates.
- Came up with a formula to assign scores to academic departments based on utilization rates.

### RUHI WEB PLATFORM | WEB APPLICATION DEVELOPMENT

Dec 2017 – Jan 2018

- Created a Web Portal based on Flask and Python for Ruhi - A project involving teaching English to the support staff.
- Automated report, feedback, and allocation management.

### 2-BIT BRANCH PREDICTOR | SIMULATOR

Nov 2018

- Simple 2-bit branch predictor that allows user to select n contiguous bits for prediction.
- Demonstrates accuracy for various selection choices based on the trace file.

## AWARDS

2018	Winner   First Prize	Chaitanya (Leadership Event)   IIM Indore
2018	Dean's List	All Semesters   Ashoka University
2017	Finalist	Digital Masala Challenge Hackathon   Facebook
2014	Silver Medallist	District Roller Skating Championship

## POSITIONS OF RESPONSIBILITY

2019	Volunteer Work	CS Curriculum Development for Neev
2017	Cabinet Member	Student Government   Finance Ministry