

Archit Checker

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EDUCATION

ASHOKA UNIVERSITY

COMPUTER SCIENCE

Expected May 2020 | NCR, India

Cum. GPA: 3.84/4.0

Major GPA: 3.84/4.0

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

Advanced Programming

Algorithm Design and Analysis

Computer Organization Systems

Operating Systems

Advanced Computer Architecture

Computer Security and Privacy

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

LaTeX • CSS • HTML

DATA ANALYSIS

Python • R

SQL • Tableau • SKLearn

EXPERIENCE

LEHIGH UNIVERSITY | RESEARCH INTERN

June 2019 – Aug 2019 | Pennsylvania, USA

- Worked on simulating cochlear implants using digital signal processing techniques in C++, MATLAB, and Python.
- Developed a PWA and an android application for the project.

TRIVEDI CENTRE FOR POLITICAL DATA | FULL STACK INTERN

Dec 2018 – Feb 2019 | Sonipat, India

- 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 that utilizes the edit distance for name resolution.

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

Dec 2018 – Jan 2019 | Sonipat, India

- 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.

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

2019	Funding Received	uArch Workshop ISCA 2019 Phoenix, USA
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	Academic Representative	CS Department
2019	Volunteer Work	CS Curriculum Development for Neev
2017	Cabinet Member	Student Government Finance Ministry