Archit Checker

https://checker5965.github.io/

archit.checker_ug20@ashoka.edu.in | +91-9935354595

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
Computer Organization Systems
Operating Systems
Advanced Computer Architecture
Advanced Programming
Algorithm Design and Analysis
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
JavaScript • C++

TOOLS & FRAMEWORKS
Django • Flask
LaTeX • git
jQuery • HTML • CSS

SIMULATORS
ChampSim

DATA ANALYSIS
Python • R
SQL • Tableau • SKLearn

EXPERIENCE

LEHIGH UNIVERSITY | Research Intern
June 2019 – August 2019 | Pennsylvania, USA
- Led technical development to simulate cochlear implants using digital signal processing techniques in MATLAB and Python.
- Developed a full-featured WebApp 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.

BRANCH PREDICTION AND CACHE REPLACEMENT
Nov 2018
- Implemented a T-PLRU Cache Replacement policy in Champsim.
- Implemented a standalone 2-bit branch predictor that allows user to select n contiguous bits for prediction.

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.

AWARDS

Year	Award	Detail
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 RESPONSIBILTY

Year	Position	Detail
2019	Academic Representative	CS Department
2019	Volunteer Work	CS Curriculum Development for Neev
2017	Cabinet Member	Student Government	Finance Ministry