

Akash Sharma

akashsharma.live
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EDUCATION

IIIT DELHI

BTECH IN CSSS

(Comp. Science & Social Science)
2017 - 2021
GPA: 8.52 / 10.0

RYAN INTL. SCHOOL

Class 12th (CBSE)
Percentage: 95 %
Class 10th (CBSE)
CGPA: 10.0 / 10.0

LINKS

Github  Akash-Sharma-1
LinkedIn  Akash Sharma
Twitter  @AkashSharma
Blogs  akash-sharma-1

SKILLS

PROGRAMMING

Over 10000 lines:

C++ • C • Java
Python • Javascript

Over 5000 lines:

HTML • CSS • NodeJS
Flask • R • MatLab
MySQL • MongoDB

Familiar:

Go • Julia • PHP • \LaTeX

Tools & Tech. Used:

Git • Shell Scripting • GCP
Heroku • Redis • WireShark
Linux • Arduino

COURSEWORK

Deep Learning
Machine Learning
Semantic Web
Computer Networks
Database Management System
Computer Security
Algorithm Design
Graph Theory
Advanced Programming
Computer Architecture
Operating Systems
Data Structure and Algos
Competitive Programming

EXPERIENCE

MIDAS LAB | UNDERGRAD RESEARCHER

Aug 2020 – Present | IIIT Delhi, India

- Researching in the field of Computational Psycho-linguistics with Columbia University. Working on development of an automated scoring system for oral proficiency for TOEFL

PROGRAM ANALYSIS LAB | UNDERGRAD RESEARCHER

Aug 2020 – Present | IIIT Delhi, India

- Collaborating with the Program Analysis Lab team and researching on the development of a system for detection of semantic and functional clones in large code base using Deep Learning techniques.

MATHWORKS | SOFTWARE ENGINEERING INTERN

May 2020 – July 2020 | Bangalore, India

- Worked on the development of an optimized debugging tool for embedded code generation utilized by Simulink models through graphical visualization as well as efficient querying, linkage and representation of various data silos present in the debugging dump of buffer allocation and reused memory units.

LBB | FULL STACK DEVELOPMENT INTERN

May 2019 – Aug 2019 | New Delhi, India

- Understood the business requirements of the company & accordingly executed technology-based solutions & optimised performance of existing services
- Developed scalable API services & the admin-panels for internal usage.
- Developed algorithms and SEO for localities-based content for the application

RECENT PROJECTS

MATLAB ASSISTANT : SPEECH TO CODE GENERATION

MathWorks Hackathon Winner

June 20

Worked on the development of 'MATLAB Assistant' which converts your speech in natural language into basic MATLAB program commands integrated with code editor.

DEEP LEARNING-BASED VISUAL QUESTION ANSWERING

Dr. Saket Anand, VQA Challenge 2020

April 20 - May 20

Developed multiple deep learning based models for the construction of a Visual question answering system for VQA Challenge of 2020.

COVID19-REALTIME-ANALYTICS-PORTAL

Self-guided

March 20

A realtime portal giving live updates of the national and global COVID outbreak and gathering local global information as well as safety - precaution instructions for the users.

TEXTUAL ANALYSIS OF CUSTOMER REVIEWS ON TWITTER

Dr. Jainendra Shukla

Nov 19 - Dec 19

Worked on development of multiple sentiment analysis models (DL/ML/NLP) on scrapped Customer Review based Tweets from Twitter pages of various companies.

TWITTER ANALYTICS FOR INDIAN ELECTIONS 2019

Oxford University, IIM Kozhikode

March 19 - May 19

Developed a realtime analytics portal of Tweets from Indian politicians & parties, all actively scraped from Twitter & analysed for social-scientists & researchers.