Akash Sharma

🌐 akash-sharma-1.github.io
✉ akash17327@iiitd.ac.in | New Delhi

EDUCATION

IIIT DELHI
BTech in Comp. Science
(+ minors in Social Sciences)
2017 - 2021
GPA: 8.7 / 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
• Vue • React
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

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

ENVEAVE - OPEN SOURCE ORGANISATION
Dr. Pankaj Jalote   March 20 - Present
Formed an open source platform that aims at connecting ideas, combining efforts and enhancing collaboration among people for Environmental Conservation Initiatives

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.

TRAINING TRIPLET NETWORKS WITH GAN
Dr. Saket Anand,   April 20 - May 20
Implementing triplet networks with GAN inspired from semi-supervised GAN over MNIST data improving the ability of Generator to produce more realistic fake images by a substantial amount over vanilla GAN.

TWITTER DATA 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.

ⓘ More of my projects and their descriptions are available at **akash-sharma-1.github.io**