

Akshay Gupta

9411459662 • Email: akshay@iitk.ac.in

<https://akshay-gupta123.github.io> • github.com/akshay-gupta123 • [linkedin.com/in/akshay18082001](https://www.linkedin.com/in/akshay18082001)

EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY KANPUR (IITK)

Bachelor of Technology in Computer Science and Engineering

Cumulative Performance Index(CGPA): 9.43/10

Kanpur, India
July 2019 - Present

SAYYID HAMID SENIOR SECONDARY SCHOOL(BOYS)

12th Grade

Aligarh Muslim University Board: 91.6%

Aligarh, India
May 2016 - May 2018

R.R.K SENIOR SECONDARY SCHOOL

High School

Central Board of Secondary Education: 10 CGPA

Chandausi, India
May 2014 - May 2016

PROJECTS

MODEL ZOO [Code]

Programming Club, IITK

IITK Kanpur, India
May 2020 - July 2020

- Implemented 4 Deep learning model using **Tensorflow** and **Keras** related to Computer Vision and Natural language Processing.
- Models include **Context-Encoder** for Image Inpainting, **WGAN** for Image Generation and **BILSTM-CRF** for NER task.
- Achieved an accuracy of **88%** on ResNet18 Bottleneck architecture and **99.91%** accuracy on NER BILSTM-CRF.

REAL TIME SUDOKU SOLVER [Code]

Self Project

- A Real Time Sudoku Solver is built with **OpenCV** for Image Processing and **Tensorflow** for Digit Recognition Task.
- Achieved an accuracy of **99.92%** in Digit Recognition Model Using **MiniVgg** on MNIST dataset.
- Implemented **Solving Every Suduko** Algorithm from scratch in Python for the purpose of Solving parsed Sudoku.

POPCORNTIME

Self Project

- Infotainment app developed using **MERN Stack** providing information related to Latest and Most Popular Movies.
- Integrated **MongoDB Sandbox** Cloud Cluster on **AWS** for Information Collection and wrote queries on Server side
- Wrote **Proxy** and **CORS** settings during Development phase as Middleware and many Schemas using **Mongoose**.

AI-T3 [Code]

Self Project

- Implemented Tic Tac Toe Game in **JavaScript** from scratch **without** any third party dependency deployed with Heroku.
- Enhanced User experience** by developing both Human vs Human and Human vs Computer mode of Game.
- Implemented **Min Max Algorithm** from Game theory with suitable evaluation function is used for Computer decisions.

KALAM

Self Project

- Built a Personal Blogging app using **Django** and **Bootstrap**.
- Used Dynamically built **Sitemaps** for Search Engine Optimization and **RSS feed** for Subscription.
- Integrated **PostgreSQL** for trigram searching functionality and Database.

SKILLS

- Programming Languages:** C, C++, Javascript, Python, SQL(MYSQL)
- Deep Learning Framework:** Keras, Pytorch, TensorFlow
- Data Science Libraries:** NLTK, NumPy, OpenCV, Pandas, Pyplot, Spacy,
- Utilities:** Bash, Git, LibreCad
- Web:** Bootstrap, Django, Express, HTML5, MongoDB, Node.js, React, REST API

COURSE WORK

- Real Analysis and Multivariate Calculus
- Fundamentals of Computing
- Linear Algebra and Ordinary Differential Equation
- Introduction to Electronics*
- Discrete Mathematics*
- Data Structure and Algorithms*

*Currently Pursuing

MOOC:

- Deep Learning Specialization
- Introduction To Machine learning
- Algorithmic Toolbox