Sahil Singh

linkedin.com/in/sahilsingh2402
sahilsingh2402@gmail.com | +91.933.698.0350

EDUCATION

KIIT UNIVERSITY
B.Tech in Computer Science
Sep 2020 - Aug 2024 | Odisha, IN
Computer Science Engineering
CGPA: 9.29 / 10.0

ARMY PUBLIC SCHOOL
Grad. May 2020 | Uttar Pradesh, IN
Physical Sciences with CS Major
Percent Grade: 80%

SKILLS

PROGRAMMING
• **Languages:** Python, C/C++, Java, R.
• **Frameworks:** TensorFlow, Scikit-learn, Numpy, Pandas, OpenCV, Pillow, SQLite, PyQt5, Tkinter, Git, HTML, CSS, Flutter.
• **Cloud Services:** Google Cloud, Microsoft Azure.

ACCOMPLISHMENTS

NASA COMET DETECTION
Built an AI tool for low visibilty type C comets detection for NASA Comet Detection Marathon Match and secured $24^{th}/650$ rank.

GEEKSFORGEEKS
Earned the title of "Code Community Helper" and "Budding Influencer" for conducting technical workshops and promoting opensource among students.

CODING NINJAS NINJA WAVE
Secured $33^{rd}/350$ rank in coding ninjas coding event held at KIIT University.

GOOGLE CODE IN 2018
Top $15/3500$. Was among the list of finalists selected by my organization.

COURSEWORK

UNDERGRADUATE
Data Structures Algorithms
Object Oriented Programming
Data Science (NPTEL)
Machine Learning (Coursera)
Deep Learning (Udemy)

LINKS:
linktr.ee/sahilsingh2402

EXPERIENCE

INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI
Summer Research Intern
May 2022 – Jun 2022   Assam, IN
- Learnt about artificial neural networks and their mathematical modeling.
- Worked on design analysis of combinational neural logic systems.
- Using PyTorch for implementation of logic gates through neural networks and performance measurement.

MICROSOFT STUDENT COMMUNITY KIIT
Machine Learning Engineer   Project Wing 2021
Oct 2021 – Dec 2021   Odisha, IN
- Collaborated with the MSC KIIT team to build a Music Recommendation App.
- Researched methods for machine learning algorithm selection, training and evaluation. Also worked on web designing the interface of the application.
- Implemented k-means clustering algorithm to cluster songs of similar genre.

LETSGROWMORE
Data Science Intern
Sep 2021 – Oct 2021   Odisha, IN
- Developed a handwritten digit classification tool and image to sketch converter using convolutional neural network and computer vision libraries.
- Implemented machine learning techniques on the tasks related to classification, recommendation, and prediction on the given data sets.

FOSSASIA
Open Source Contributor   Google Code In
Oct 2019 – Dec 2019   Virtual, IN
- Teamed up with fossasia organization and contributed to their open source repositories and projects by completing tasks.
- Gained knowledge about open source and became a fossasia community member.

PROJECTS

MUSIC RECOMMENDATION WEB APP   Oct 2021 – Dec 2021
- Built a music recommendation web app which analyzes users music taste and cluster songs using k-means algorithm to generate playlists.
- The artificial neural network then compares the generated playlists and suggests the best one to the user.
- Tech Stack : Python, Numpy, Pandas, Scikit-learn, TensorFlow and Flask.

FACE DETECTION AND RECOGNITION MODEL   Jan 2021 – Feb 2021
- Built a beginner level face detection and recognition model which scans user faces and create separate identities for similar and unique faces.
- Tech Stack : Python, Numpy, Pillow, OpenCV.

FANTASY CRICKET GAME   May 2020 – Aug 2020
- Designed a GUI application based cricket game using pyqt python library to compare the value of players in teams and storing data in mysqlite database.
- Tech Stack : Python, PyQt5 and SQLite.