

Sayantan Paul



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Projects

- **TermTube**
A YouTube app-like interface inside terminal where user can play videos and listen to music. Written in Go, used libVLC libraries to support audio and video playback.
- **MNIST-Visualize**
A web-application to visualize how a neural network predicts handwritten digits from MNIST dataset. Written in Python and used frameworks like Flask, TensorFlow, NumPy, Pandas.
- **Covid-19 Case Study**
Data Analysis on Covid-19 dataset and visualize the spread of virus all over the world by the help of charts and interactive maps.

Certifications

- **Google Go Specialization**
Completed 2 months of online Go Bootcamp course from University of California, Irvine. Gained knowledge about Go Programming Language.
- **Deep Learning Specialization**
Completed 4 months of online Deep Learning course from deeplearning.ai. Gained knowledge about basics of Neural Networks, CNN, Sequence Models, NLP and performed hands-on labs on various ML projects.

Seminars & Workshops

- **Machine Learning Bootcamp:** Attended 7 days of workshop on Supervised & Unsupervised Machine Learning and various classification algorithms. Gained insight about Python ML libraries like Pandas, NumPy, scikit-learn.
- **Google Cloud Training:** Attended 30 days of Hands-on Training in Google Qwiklabs on Data Science, Data Processing, Data Engineering in Google Cloud Platform. Earned 10 Qwiklabs badges.

Education

- **B. Tech CSE**, Siksha 'O' Anusandhan University. CGPA: **8.89** (till 5th Semester)
- **12th CBSE Board**, Sudhir Memorial Institute. Percentage: **76.3 %**
- **10th CBSE Board**, Sudhir Memorial Institute. Percentage: **89.3 %**

Technical Skills

- **Programming Languages:** Python, Java
- **Data Structures and Algorithms:** Arrays, Strings, Stacks, Queues, LinkedList, Binary Trees
- **Frameworks and Libraries:** Flask, NumPy, Pandas, Scikit-learn, TensorFlow

Achievements

- **Smart India Hackathon 2020:** Among top 6 teams to qualify from college level
- **Silly Hacks 2020 by Major League Hacking:** Winner of Silly Hacks under "automation with n8n"
- **Hacktoberfest by Digital Ocean:** Contributed to various open-source projects in GitHub