

Ayan Sinha Mahapatra

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EDUCATION

JADAVPUR UNIVERSITY

B.E. IN ELECTRONICS AND
TELECOMMUNICATIONS ENGG.

May 2016 - Present | Kolkata, India
Senior Year | Batch of 2020

LINKS

Blog

Portfolio

Github:// [ayansinhamahapatra](#)

LinkedIn:// [Ayan Sinha Mahapatra](#)

Twitter:// [@ayansm23](#)

SKILLS

DOCUMENTATION

Sphinx • reStructuredText • Jekyll
ReadTheDocs • Markdown

PROGRAMMING

Languages:

C • Python • Matlab • Lua • Assembly

Python Libraries:

Tensorflow • Keras • NumPy • Pandas

Matplotlib • Scikit-Learn • OpenCV •

Django • Flask

C++ Libraries:

Eigen • Boost • MLPack

NEUROSCIENCE

Software:

Brainvison Recorder/Analyzer

OpenVIBE • pyCorder

Libraries:

MNE-Python • EEGLab

COURSEWORK

UNDERGRADUATE

Data Structures And Algorithms

C Programming And Numerical Analysis

Computer Architecture

Embedded Systems

System Software

Microprocessors And Microcontrollers

MOOCS

Neural Networks

Machine Learning

Computational Neuroscience

Deep Learning Specialization

Data Science with Python Specialization

Time Series Data (EEG) Processing

Introduction to Brain Computer

Interfaces Design

TECHNICAL WRITING/DOCUMENTATION

DOCUMENTATION DEVELOPMENT @ ABOUTCODE |

OPEN-SOURCE CONTRIBUTIONS

Reorganizing the structure of docs at [aboutcode.readthedocs.io](#) from
GitHub wiki and writing tests with Travis-CI. [\[Link\]](#)

NEUROSCIENCE RELATED TECHNICAL WRITINGS

Blog Posts on EEG Processing, How to start with Computational
Neuroscience and more. [\[Link\]](#)

KAGGLE RELATED TECHNICAL WRITINGS

Blog Posts on Kaggle related topics, links to Kaggle Kernels and more.
[\[Link\]](#)

GENERAL TECHNICAL WRITINGS

General technical writings on various topics like Git, Django, Flask etc.
[\[Link\]](#)

PROJECTS

SIGNATURE VERIFICATION AND FULL STACK DEVELOPMENT |

HACKATHON PARTICIPANT

Nov 2017 - July 2018 | Mumbai, India

With **Sayan Goswami**, developed a Signature Verification System and a portal for The
State Bank of India. [\[GitHub Link\]](#)

CUBESOLVING | PERSONAL PROJECT

With **Arnav Mandal**, developed a Cube Solving Program without any external
standard Cube Libraries, i.e. from scratch. [\[GitHub Link\]](#)

FORUM WEBSITE | PERSONAL PROJECT

Full-Stack Forum/Social-Network sites based on Django. [\[GitHub Link 1\]](#)
[\[GitHub Link 2\]](#)

INTERNSHIPS/RESEARCH

NATIONAL AEROSPACE LABS, SYSTEMS DIV. | RESEARCH INTERN

May 20th 2019 – July 12th 2019 | Bangalore, India

Working on a EEG-Processing/Deep-Learning based online Brain Computer
Interface for Drone/UAV Control Applications. [\[GitHub Link\]](#)

JU ARTIFICIAL INTELLIGENCE LAB | UNDERGRADUATE RESEARCHER

Nov 2018 – Present | Kolkata, India

Working under **Prof Amit Konar** on EEG based BCI systems, Fault Detection and
Deep Learning. [\[GitHub Link\]](#)

ISI KOLKATA ECSU DEPT. | UNDERGRADUATE RESEARCHER

Dec 2017 – Sep 2018 | Kolkata, India

Worked under **Prof Swagatam Das** on Non-Convex Optimization and Deep Learning.
[\[GitHub Link\]](#)

VOLUNTEER/ORGANIZER

TEDXJADAVPURUNIVERSITY | TRESURER AND OC MEMBER

Worked as an organizer at the 2018 Edition of TEDxJadapurUniversity, and
in the senior team for the 2019 edition. [\[Website Link\]](#) [\[Brochure\]](#)