Ayan Sinha

ayansinha.dev
ayansmahapatra@gmail.com

EDUCATION

JADAVPUR UNIVERSITY
B.E. in Electronics And TeleCommunications Engg.
May 2016 - Present | Kolkata, India
Cum. CGPA: 8.1 / 10

LINKS

Github:// ayansinhamahapatra
LinkedIn:// Ayan Sinha Mahapatra
Twitter:// @ayansm23

COURSEWORK

UNDERGRADUATE
Data Structures And Algorithms
C Programming And Numerical Analysis
Computer Architecture
Microrpocessors And Microcontrollers + Practicum
Control Systems + Practicum
Analog Systems + Practicum
Digital Logic + Practicum
Analog and Digital Comm. + Practicum

MOOC COURSERA
Neural Networks
Machine Learning
Computational Neuroscience
Deep Learning Specialization
Data Science with Python Specialization

SKILLS

PROGRAMMING
Over 1000 lines:
C • Python • Matlab • Shell Scripting
Familiar:
HTML • Lua • Assemmbly
C Libraries:
Eigen • MLPack
Python Libraries:
Tensorflow • Keras • NumPy • Pandas • Matplotlib • Scikit-Learn • OpenCV • Django • Flask

PROJECTS

GOOGLE SUMMER OF CODE @ ABOUTCODE
Intern | Student Developer
May 2017 - August 2020
Working on improving the accuracy of license detection in ScanCode, leveraging the ClearlyDefined data set, where ScanCode is used to massively scan millions of packages. This project aims to write tools and create models to massively analyze and assist in the semi-automated reviews of scan results [Proposal].

GOOGLE SEASON OF DOCS @ ABOUTCODE
| Open Source Contribution
Working with Aboutcode to restructure and improve their documentation experiance at [ReadTheDocs]. [Project Details]

SIGNATURE VERIFICATION AND FULL STACK DEVELOPMENT |
Hackathon Participant
Nov 2017 - July 2018 | Mumbai, India
With Sayan Goswami, I've participated in the SBI Hackathon 2017, where we successfully developed a Signature Verification System (Using Siamese ConvNets) and Analytics Dashboard/Cloud Hosting. [GitHub Link]

CUBESOLVING | Personal Project
I was working on a Cube Solving Program (without any external standard Cube Libraries, i.e. from scratch). [GitHub Link]

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 Contol Applications. [GitHub Link]

JU ARTIFICIAL INTELLIGENCE LAB | Undergraduate Researcher
Nov 2018 – Present | Kolkata, India
Working under Prof Amit Konar on applications of Fuzzy Random Forest Algorithms for Circuit/Plant Fault Detection. I'll be working on Neuroscience problems.

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]

CLUBS AND SOCIETIES

TEDXJADAVPURUNIVERSITY | Tresurer and OC Member
Worked as an organizer at the 2018 Edition of TEDxJadapurUniversity, and in the senior team for the 2019 edition.

AI AND KAGGLE UNIVERSITY CLUB | Co-Founder
Co-founded the club with my classmate Sayan Goswami.

ROBOTICS CLUB | Volunteer
Organized an Image Processing/Machine Learning Workshop, participated in Robotics Competitions.