Ayan Sinha Mahapatra

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EDUCATION

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

BIDHANNAGAR HIGH SCHOOL
Higher Secondary Exam
May 2016 | Kolkata, India
Marks Percentage 87.40

RKMV PURULA
Secondary Exam
May 2014 | Purulia, India
Marks Percentage 91.90

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
Familiar:
HTML • Lua • Assemmbly
C Libraries:
Eigen • MLPack
Python Libraries:
Tensorflow • Keras • NumPy • Pandas • Matplotlib • Scikit-Learn • OpenCV • Django • Flask

PROJECTS

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. We participated in a Proof Of Concept Demonstration at SBI Global IT Center, Mumbai and went on to win the Hackathon. [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]

FORUM WEBSITE | Personal Project
I worked on a Website Development Project Using Python-Django with Full Forum/Social Network like features for a University Club. [GitHub Link 1] [GitHub Link 2]

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 from this January.

ISI KOLKATA ECSU DEPT. | Undergraduate Researcher
Dec 2017 – Sep 2018 | Kolkata, India
I have been working under the guidance of **Prof Swagatam Das**. The Research Problem is Based on applications of Evolutionary Algorithms (a VNS variant of Genetic Algorithms) on an Integer Programming problem [GitHub Link] . I've also worked on advancements in Differential Evolution Algorithms (specifically SHADE/L-SHADE).

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.