

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

Micropocessors 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 • Assembly

C Libraries:

Eigen • MLPack

Python Libraries:

Tensorflow • Keras • NumPy • Pandas •

Matplotlib • Scikit-Learn • OpenCV •

Django • Flask

PROJECTS

SIGNATURE VERIFICATION AND FULL STACK DEVELOPEMENT |

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

JU ARTIFICIAL INTELLIGENCE LAB | UNGERGRADUATE 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 - Present | 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).

ACHIEVEMENTS

2018	Winning team/ 1500 teams	SBI Automate For Bank Hackathon 2017
2017	4th Team in College	ICPC Online Round
2016	Ranked 306	WBEE

CLUBS AND SOCIETIES

TEDXJADAVPURUNIVERSITY | TREASURER 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.