Soumyaratna Debnath

Software Engineer

Researcher | ML Engineer | Web Developer
Specialized in Algorithms

soumyaratnadebnath@gmail.com ✉

+91 8436216585 ☐

Coochbehar, India ◉

linkedin.com/in/soumyaratna-debnath-484b5a1b7 in

github.com/SoumyaratnaDebnath ◯

codechef.com/users/soumyaratna </>

EXPERIENCE

Subject Matter Expert – Computer Science
Chegg Inc.

NOVEMBER 2020 - PRESENT

Chegg Inc. is an American education technology company based in Santa Clara, California.

Java Developer Internship
Suven Consultants and Technology Pvt. Ltd.

NOVEMBER 2020 - DECEMBER 2020

Virtual Mode

EDUCATION

Bachelor of Technology – Computer Science
Coochbehar Government Engineering College
Coochbehar, West Bengal

AUGUST 2018 - PRESENT

Approved by the All India Council for Technical Education

Senior Secondary
Army Public School, Binnaguri Cantt.

MARCH 2018
CBSE Science PCM – **92.60 %**

Secondary
Army Public School, Binnaguri Cantt.

MARCH 2016
CBSE – **10** CGPA

SKILLS

Research Assistant

Machine Learning

Algorithm Design

Software Development

Web Development

AI with TensorFlow

Subject Matter Expert

Competitive Coding

SPECIALIZATIONS

Data Science
PURSUING
Coursera – IBM

Algorithm Specialization
SEPTEMBER 2020 - DECEMBER 2020
Coursera – Stanford Online
Certificate

TensorFlow Developer
JANUARY 2020 - NOVEMBER 2020
Coursera – Deeplearning.AI
Certificate

COURSES AND CERTIFICATES

Machine Learning
JULY 2020 to OCTOBER 2020

Coursera - Stanford Online
Certificate

Java for Android
JUNE 2020

Coursera - Vanderbilt University
Certificate

Ethical Hacking
JULY 2019

Internshala
Certificate

Soft Skills
JULY 2019 to OCTOBER 2019

NPTEL
Certificate

Become a Software Developer
DECEMBER 2020

LinkedIn Learning Path
Certificate

Speaking Effectively
JANUARY 2019 to MARCH 2019

NPTEL
Certificate

PROJECTS

Camera SHOT — Desktop App.

Inspired by Windows' adaptive theme feature, the application can be used to change the theme of any jpeg/jpg image with professional or semi-professional results.
Project Link

JediTorch — Desktop App.

Made a lightweight Java Code editor for Windows using Python-tkinter library.
Project Link

Consumer Loan Assistant — Desktop App.

Made a Consumer Loan Assistant app using Java Swing
Project Link

Home Inventory Manager — Desktop App.

Made a Home Inventory Manager app using Java Swing
Project Link

DBMS Lite — Desktop App.

Made a lightweight Database Management System for Windows using C++.
Project Link

Encryption and Decryption Using C++
Coursera Project Network

Certificate

TensorFlow for CNN Object Recognition
Coursera Project Network

Certificate

Box 'o' LLector — WebGL Game.

Made using Unity Game Engine within a week for submission to Brackeys Jam 2020.2.
The Game ranked 503 among 1800+ entries.
Project Link

EnigmaSeven — WebGL Game.

Made using Unity Game Engine within 48 Hours for submission to GMTK Game Jam 2020.
Project Link

PUBLICATIONS

A New Modified Red Deer Algorithm for Multi-level Image Thresholding - Research Paper

Published in 5th International Conference on Research in Computational Intelligence and Communication Networks
PUBLISHED ON - 21 DECEMBER 2020
PUBLISHER - IEEE
AUTHORS - SOUMYARATNA DEBNATH, SOURAV DE, SANDIP DE, ABHIRUP DEB
Paper Link

AWARDS AND ACCOMPLISHMENTS

Senior Diploma in Painting with Distinction
Academy of Art Universe

NCC Junior Division (2015 to 2016) with Alpha Grade
Ministry of Defence, Govt. of India

Presented a research paper in 2020 5th ICRCICN organized by School of Engineering and Technology, CHRIST, Bangalore on 26 - 27 November 2020.
International Conference on Research in Computational Intelligence and Communication Networks

Elite plus Gold certificate for scoring in top 2% in NPTEL Speaking Effectively Course
National Programme on Technology Enhanced Learning

Certificate of appreciation (with cash prize) for scoring 95% and above in Physics & Chemistry; School highest in Maths; And overall 2nd Topper of School in AISSCE 2018
Army Public School, Binnaguri Cantt

Awarded with the CHAIRMAN MEDAL OF EXCELLENCE for brilliant result in AISSCE 2018
Army Public School, Binnaguri Cantt

Certificate of appreciation for scoring 10 CGPA in AISSE 2016
Army Public School, Binnaguri Cantt

Secured 1st position in SBI Financial Literacy Quiz 2015
State Bank of India, Binnaguri Cantt.

POSITIONS OF RESPONSIBILITY

Head Boy of School — Army Public School, Binnaguri

Was elected as the Head Boy of School in class X and was provided with responsibilities which includes managing the Student's Council and events like Teachers' Day celebration, Annual Fest, Sports Day, etc.

Vice Head Boy of School — Army Public School, Binnaguri

Was elected as the Vice Head Boy of School in class XI and was provided with responsibilities which includes managing events like Teachers' Day, Annual Fest, Farewell, Sports Day and other co-curricular events.

EXTRA CURRICULAR ACTIVITIES

Participated in Inter School Debate, Extempore, Quiz, Music, Painting, Science-Exhibition and Sports

LANGUAGES

ENGLISH, **HINDI** and **BENGALI** with Professional Proficiency.