

Soumik Nandi

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EDUCATION

IEM, KOLKATA

B.TECH IN COMPUTER SCIENCE

2017-2021 | Kolkata, India

Cum. GPA: 8.23 / 10.0

DAV MODEL SCHOOL

CLASS XII - CBSE

May 2017 | Durgapur, India

Percentage: 90.4%

LINKS

Github:// SoumikNandi01

LinkedIn:// soumiknandi

YouTube:// soumiknandi

COURSEWORK

UNDERGRADUATE

Data Structures

Algorithms

Database Management System

Operating Systems

Computer Networks

Neural Network

COURSES

Deep Learning Specialisation

Programming in Python

Full Stack Web Development

SKILLS

TECHNICAL SKILLS

Proficient

•C++•Python3

•MySQL•Git•Windows

•Machine Learning

•Neural Networks•TensorFlow

•Scikit-learn•Keras

Intermediate

•jQuery•JavaScript•Node.js

•HTML5•CSS3•Linux

SOFT SKILLS

•Public Speaker •Innovator •Multilingual

•Business Partner •Collaborative

•Trainer/Teacher •Volunteer

LANGUAGES

•English•Hindi•Bengali

RECOGNITION

• 3* at Codechef

• Top 500 coders amongst 70,000

participants-HackWithInfy-2020, Infosys, India.

• Machine Learning facilitator-NIT Durgapur.

WORK EXPERIENCE

REBACA TECHNOLOGIES

SOFTWARE ENGINEER INTERN

Mar 2019 - July 2019 | Kolkata, India

- Analysed Deep-Log architecture and implemented Spell & Drain log parsing algorithms.
- Developed customised log parsing algorithm. Investigated and extracted values, KPIs from application, automation, and system logs.
- Improved the existing algorithm **efficiency by 95%** boosting the **execution speed to 0.03 seconds**.
- Deployed deep learning (LSTM) networks and investigated **anomalies in real-time network architecture** using extracted KPIs and network parameters.
- Programmed custom Python module to **auto-generate C code** that simulated full fledged **3GPP and non-3GPP** network communication for 5G nodes.
- **Technologies:** C, Python3, Deep Learning, Neural Networks.

C-DAC, KOLKATA

DEEP LEARNING INTERN

Aug 2019 - Nov 2019 | Kolkata, India

- Being one of the 4 **research interns** under the Center for Development of Advanced Computing, Autonomous Scientific Society, Operating under the **Ministry of Electronics and Information Technology, Government of India**.
- Designed and devised an automated **water sample analyser module for safe drinking water**.
- Deployed and tested Image Processing pipeline using Convolution Auto-encoders for **detecting bacterial colonization** in drinking water at 150x zoomed focus.
- **Technologies:** Python3, Computer Vision, Deep Learning, Neural Networks.

ZERO DOLLAR SECURITY

CO-FOUNDER

Dec 2019 - Present | Kolkata, India

- Co-Founded Zero Dollar Security - India's **first crowd-sourced cyber-security company**. We provide services and products in the field of Machine Learning and Cyber-Security.
- Honoured as one of the **top 10 cyber-security service providers in India-2020**, by CIO Business Insider.

PROJECTS

PASTE-BIN FULL STACK DEVELOPMENT

May 2020 - July 2020

- Developed a to-do-list web application where users can add and delete items with information retrieval support.
- **Technologies:** HTML5/CSS3, jQuery, Node.js, Express.js, MongoDB, JavaScript, Heroku.

FACE RE-GENERATOR GENERATIVE ADVERSARIAL NETWORKS

Oct 2019 - Dec 2019

- Implemented a pipeline to reconstruct patched out human face image using Generative Adversarial Networks. It was trained on 60000 human face images.
- **Technologies:** Python3, Jupyter, Neural Networks, Tensorflow-2.0, Deep Learning.

PUBLICATIONS

- [1] S. Nandi, A. Das, S. Roy, and S. Chattopadhyay. An end-to-end approach for benchmarking time-series models using autoencoders. *Springer*, 2020.