

SUDIPTA SEN

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EDUCATION

Indian Institute of Information Technology Allahabad
MTech in Information Technology - CGPA - 9.32/10

Sept 2021 – May 2023
Prayagraj, U.P

University Of Calcutta

Masters in Computer Application - Percentage - 85.6%

Oct 2017 – July 2020
Kolkata, W.B

EXPERIENCE

Indian Institute of Information Technology Allahabad
Undergraduate Teaching Assistant

Prayagraj, U.P
Oct 2021 – Present

1. Assisting instructors in managing development and evaluation of course assignments.
2. Providing the professor with feedback related to student performance.

Alumnus Software Limited

Member of Technical Staff Grade I

Kolkata, W.B
Feb 2021 – Sept 2021

1. ATM bonding asymmetric line rate test automation framework development.
Achievement: Manual effort of 1 day reduced to less than 3 hours with no manual error.
2. SoC power management validation. Design automated test cases for power and thermal management of CPU.

Trainee Engineer

Aug 2020 – Jan 2021

1. Automation of power imbalance forecasting and account profitability analyses using PowerApps and PowerBI.
2. Pass and failed log analyser using python.

TECHNICAL SKILLS

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|--------------------------------|---------------------|-------------------------------------|----------|
| • Data Structures & Algorithms | • Operating Systems | • Database Management System (DBMS) | • C++ |
| | • Computer Network | | • Python |

PROJECT

- **Path Planning Using Deep Reinforcement Learning for Mobile Robot:** Proximal policy optimization algorithm is used to make the robot learn to find path in a known environment. There are obstacles in the environment and the agent's task is to avoid the obstacles and reach the destination successfully. ↗
- **Question Pair similarity:** Duplication of questions is one of the many issues that Q&A platforms like Quora and Stack Overflow confront. Various types of machine learning models are used for comparison. Those are logistic regression, naive bayes, decision tree, random forest, gradient boosting algorithm.

PUBLICATION

- **Recommendation of Influenced Products Using Association Rule Mining: Neo4j as a Case Study:** In this paper the recommendation system has been built based on association rule mining. The entire framework has been developed in Neo4j graph data model ↗

ACHIEVEMENT

- Qualify UGC-NET for eligibility for Assistant Professor on 4th December, 2019 in subject Computer Science and Applications.

PERSONAL SKILLS

- Team Player
- Quick Learner
- Positive Attitude

PERSONAL DETAILS

- **Date of Birth:** 14th July, 1995
- **languages known:** English, Hindi, Bengali