

ARATRIKA RAY



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[Aratrika Ray](#)



[Aratrika Ray](#)- GitHub

PROFILE SUMMARY

Highly motivated and adaptable recent graduate with a B. Tech degree, with a strong academic foundation and a proactive approach to learning. Aiming to leverage academic achievements and passion to contribute effectively to a dynamic team and achieve professional growth.

EDUCATION

B. Tech Computer Science and Engineering 2019 - 2023

Amity University, Amity

CGPA - 8.20

Senior Secondary

2019

Our Lady Queen Of The Missions School, Kolkata

Percentage - 87.25

Higher Secondary

2017

Our Lady Queen Of The Missions School, Kolkata

Percentage - 89.40

INTERNSHIP EXPERIENCE

Project Intern

Jan 2023 - Oct 2023

Johnson Controls Inc., Pune

- As an intern, I played a vital role in our team by contributing to various aspects of our software development project.
- I leveraged Angular JS to create a dynamic and user-friendly frontend interface, ensuring a seamless user experience, I meticulously crafted and executed manual test cases, guaranteeing the high quality and reliability of our software.
- I actively participated in the backend development using Dotnet, ensuring efficient data processing and system functionality, worked with PostgreSQL to manage and optimize our database, enhancing data storage and retrieval.

Summer Intern

July 2022 - Aug 2022

Tata Steels, Kolkata (Online)

- Interned in Tata Steels Research and Development wing, collaborating with the Product Management team. Completed Grain size determination using image processing, where applied machine learning techniques to achieve precision

PROFESSIONAL SKILLS

Business Analytics Data Analytics Case Studies Data Storytelling Business Communication

TECHNICAL SKILLS

Python SQL MS Office Unix Spyder Microsoft Visual Studio Jupyter Notebook
Java C++ PHP Eclipse Putty PL/SQL C Windows-10/11

PROJECTS

Web Scraping of Hotel Chain Data

Completed a significant project focused on web scraping OYO hotel chain data using Python, where I successfully gathered relevant information from the OYO website. The scraped data was then transformed into a structured and meaningful format, making it ready for further analysis. This project lays the foundation for in-depth analysis and insights into OYO hotel chains.

Dictionary

Developed a user-friendly English-English dictionary application using Python, integrating the tkinter library for the graphical user interface and PyDictionary for word definitions. This dictionary provides users with not only the meanings but also synonyms, antonyms, translations, and related word information.

Image Processing Using Socket Programming

Combined the power of image processing with the flexibility of socket programming to create a robust system for real-time image manipulation and analysis. Leveraging Python's versatile capabilities, the application establishes a network communication channel between a client and server, allowing seamless transmission and processing of images in real-time.

Resource Allocation Strategy In Edge Computing.

Tackled the crucial challenge of resource allocation in edge computing environments. with its proximity to data sources, demands intelligent resource management to optimize efficiency, reduce latency, and enhance overall system performance. Leveraging advanced algorithms and innovative techniques, this project proposed a resource allocation strategy tailored for edge computing architectures.

Simple Android Calculator

Developed a fully functional calculator application for Android operating system using Java and XML. Implemented a user-friendly interface with numeric buttons and basic arithmetic operators. Proficiently utilized Android Studio and XML for front-end design and Java for back-end logic, ensuring accurate calculations and smooth user experience.

Online Hotel Management System

Designed and developed an online hotel management portal using Java, HTML, JSP, and Oracle 10g. Implemented a comprehensive system for hotel bookings, guest management, and billing. Leveraged Java for server-side programming, HTML for front-end layout, and JSP for dynamic content rendering. Employed Oracle 10g for database management, ensuring data integrity and reliability. Resulted in a user-friendly and efficient platform for hotel staff and customers, enhancing the booking and management processes.

LANGUAGES

English

Hindi

French

Bengali