# RUDRANEEL **DUTTA**

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| **Internships** | **Total Experience: 1 Month** |
|---|---|

*Alphadynamic, Artificial Intelligence-Product Management Intern* — *February 2022-April 2022*

- Delivered 20 AI projects for students to learn and directed a team of 3 members.
- Created video content for all the 20 activities and edited the videos professionally through Adobe Premiere Pro.
- Achieved 9/10 in Customer Experience.

*Suvidha Foundation, Machine Learning Intern* — *October 2021-November 2021*

- Delivered a software development, an android app that recognizes 250 flowers of Indian origin in real-time and displays all the details
- Led and managed a team of 10 members) and researched the problem statement.
- Set up the model through the random forest image classification algorithm (accuracy of 86%) on the AWS (Amazon Web Services) Platform
- Constructed UI components in Android Studio and connected the back-end with the API using Firebase.
- Developed API that took 28x28 pixels image input and returned the label and details web-scrapped from the internet

## Technical Proficiencies

- *Programming Languages:* Python, C, C++, Java, HTML, CSS, Git, JavaScript,
- *Tools:* node.js, VS-Code, Firebase, Google Cloud Platform, Tensorflow, OpenCV, MS-Excel, MS-Word
- *Operating Systems:* Windows 10, Linux
- *Development:* Machine Learning, Android, Website, Application

## Education

| Year | Degree | Board / University | Percentage/CGPA |
|---|---|---|---|
| 2020-2024 | B. Tech (In collaboration with TCS & accredited to AICTE) | Institute of Engineering and Management, Kolkata | 9.73/10 |
| 2020 | HSC (accredited to ISC) | Little Flower School, Jamshedpur | 89.2% |
| 2018 | SSC (accredited to ICSE) | Little Flower School, Jamshedpur | 91.8% |

## Academics

| Projects | |
|---|---|
| | **Competitive Programming Contests Android Application** *(2022)* |

- **Competitive Programming Contests Android Application** *(2022)*
  **Designed an application** to read the upcoming contest data from all over the internet through the "Kontests" **API** in coordination with the IEMK club. **Visualized** performance graph across various platforms in one place and **easy registration** for contests. (**User-friendly**).
  **Learnings:** *planning a project, understanding user**/customer requirements**, prioritization, **creating comprehensive designs,** the implementations of front-end (XML), back-end (Firebase), connecting the front and back ends (Java), and also how to co-operate with a team, enhancing my quick learning skills.*
- **Sign Language Detection Model** *(2022)*
  *Trained the model to recognize three sign classes from a picture using Tensorflow. User-made dataset.*
  *Learnings:* **Usage of CNN and LSTM** *using Python, API integration with a model for data analysis, and some basic Machine Learning fundamentals along with writing quality code, predicting test accuracy of 87.8%.*
- **Predictive Customer Attrition Model** *(2021 Kaggle)*
  *Worked on a dataset of 6339 events with 15 features and one target variable.*
- **Personal Portfolio Website** *( 2021 )*
  Created a personal portfolio website and learned using HTML, CSS and JavaScript.

## Positions of Responsibility

- *Led a team of 15 members in Machine Learning Internship at Suvidha Foundation and took interviews with a few android developers who constructed the front-end of our application.* *(2021)*
- *Co-Founder and instructor at Apavarga Shiksha (An organization raised by 5 students to teach the fundamentals of Programming)* *(2020)*

## Certifications and Achievements

1. *Introduction to Tensorflow for AI, ML, DL through Coursera for 2 months* *( 2022 )*
2. *Top 500 in Amazon Deepracer Student and AWS AIML Scholarship. .* *( 2022 )*
3. *Participant in 30 days of Google Cloud.* *( 2021 )*
4. *Open-source contribution in Hacktober Fest for 10 repositories* *( 2021 )*
5. *Deep Learning Fundamentals with Keras, a course of study offered by IBM through Edx for two months* *( 2021 )*
6. *Python Basics for Data Science, a course of study offered by IBM through Edx for two months* *( 2021 )*
7. *Three months Crash course on Python by Google through Coursera.* *( 2021 )*