

# **Ujjawal** Roy

Data Scientist/ML Engineer

An accomplished Data Scientist with over 2.5 years of experience in AI technologies, skilled in machine learning, deep learning, image processing, timeseries analysis, demand forecasting along with other software solutions. Excelling in understanding complex technical information and applying creative thinking to devise innovative strategies. Known for his diligence and dedication.

royujjawal@gmail.com



9321398895



🤔 Kolkata, India

in linkedin.com/in/ujjawalroy

#### **WORK EXPERIENCE**

# **Data Scientist - Senior Associate Developer** (AI/ML) **BLU COCOON DIGITAL**

04/2023 - Present

Kolkata, India

- · Developed 4 Al algorithms for Agri-Tech, logistics, and F&B industries using machine learning, deep learning, computer vision, image processing, NLP and timeseries analysis.
- o Developed and implemented image processing techniques for accurate extraction and recognition of vertical text from images (average accuracy exceeding 95%).
- Incorporated the principles of modular programming (OOP) concepts), developed several machine learning pipelines, created custom Python libraries for integrating MongoDB database and external devices.

# Data Scientist - Associate Developer (AI/ML) **BLU COCOON DIGITAL**

05/2021 - 04/2023

Kolkata, India

- Experienced in transfer learning, leveraging the YOLOX and YOLOv5-7, with over 95% accuracy for custom object detection and other problem statements.
- Developed effective machine learning models (average accuracy over 85%), on very small datasets, using classical feature extraction with image processing techniques.
- o Successfully conducted R&D in AI enabled crop disease detection in uncontrolled environments.
- Designed MongoDB databases to optimize data storage and querying.
- · Experienced in timeseries analysis and demand forecasting using LSTM and statistical modelling techniques.
- · Worked as Project Coordinator, managing projects with Agile methodologies, MS Excel, and MS PowerPoint.

#### **EDUCATION**

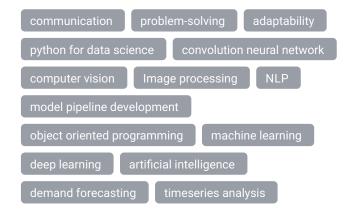
# **Bachelor's in Oil and Gas Engineering** Saint-Petersburg Mining University

09/2016 - 06/2020

84% (4.2/5)

o Received recommendation from the Drilling department's faculty members and external reviewers for continuing master's in Saint-Petersburg Mining University after a successful completion and presentation of final year thesis.

#### SKILLS



## **CERTIFICATIONS**

Probability and Statistics for Machine Learning and Data Science - DeepLearning.AI (06/2023 - 07/2023)

Calculus for Machine Learning and Data Science -DeepLearning.AI (05/2023 - 06/2023)

Linear Algebra for Machine Learning and Data Science -DeepLearning.AI (04/2023 - 05/2023)

Machine Teaching for Autonomous AI - Coursera (12/2022 - 01/2023)

#### **ACHIEVEMENTS**

Received the SPOTLIGHT Award for FY 2022-23 at Blu Cocoon Digital

#### LANGUAGES

English

Hindi

Full Professional Proficiency

Native or Bilingual Proficiency

Bengali

Native or Bilingual Proficiency

Russian

Professional Working Proficiency

#### **INTERESTS**

Bonsai Football Badminton

Weightlifting

Music

Knowledge Gathering