

# PRONROY KUMAR BISWAS

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## CAREER OBJECTIVE

Detail-oriented Data Scientist with a statistical analysis background and expertise in Python. Experience in developing highly scalable prediction algorithms using clustering, regression, and classification. Experience in analyzing raw data, quality assurance, and structuring for proper processing downstream. Skillful and experienced in deriving actionable insights for business improvements, having a deep understanding of machine learning, deep learning, data analytics, SQL, Excel, Power BI, and Tableau. Dynamic and fast learner, good command of English and Bengali with working knowledge of Hindi, committed to life-long learning and progress in industry.

## INTERNSHIP EXPERIENCE

### Machine Learning Intern, PW Skills, 2024

- Created credit card default prediction model with given dataset with 4600+ records.
- Created Web app to monitor the performance of the model in real world production.
- Achieved accuracy of 72%
- Created proper documentation.

### Machine Learning Intern, Skillvertex, 2023

- Created house price predictor and achieved 93% of accuracy.
- Lead a small team to create a digit recognition system and created the documentation.

## CERTIFICATION

Data science placement guarantee course – Internshala (2024)

Business intelligence using power BI – Skill Nation (2023)

Data Scientist Masters Program – Simplilearn & IBM (2022)

Information Technology Application – [YCTC] (2019)

## PROJECTS

### Bigmart sales analysis – [Personal project]

- Designed a system to analyze the sales of Bigmart.
- Used various algorithms and hyperparameter tuning.
- Achieved R2 score of 74%

### Loan prediction – [Personal project]

- Build a machine learning based model to predict defaulter and non-defaulter customer.
- Used multiple classification models and used the best probable hyperparameter values.
- Achieved accuracy of 87%.

### Health insurance cost prediction – [Personal project]

- Developed regression-based predictor model.
- Achieved R2 score of 82%

### **Employee salary prediction – [Course project]**

- Developed machine learning based regression model to predict salary of employee based on various parameter.
- Achieved R2 score of 58% while reducing over fitting.

### **Sydney rainfall prediction – [Course project]**

- Developed machine learning based classification model to predict rainfall.
- Used classification algorithm as well as bagging and boosting technique.
- Achieved 80% of F1 score and 82% of accuracy from the given imbalanced data set.

### **IPL auction using SQL – [Course project]**

- Used SQL to make list of various types of players for auction for a particular team.
- Create it proper visualization for better understanding.

## **EDUCATION**

- **Bachelor of Science [Physics, Mathematics and Electronics]**  
University of Calcutta, Kolkata, West Bengal
- **Higher secondary [Physics, Chemistry, Mathematics, Biology]**  
West Bengal Council of Higher Secondary Education, Kolkata, West Bengal
- **Secondary**  
West Bengal Board of Secondary Education, Kolkata, West Bengal

## **SKILLS**

- Ability to work in a team
- Communication skill
- Leadership and management
- Detail oriented
- Microsoft office
- Python and SQL
- Microsoft Power BI & Tableau
- HTML, CSS