

Goutam Debnath

Data Scientist

• 8240513044 • debnath.goutam3@gmail.com • Kolkata, IN • GitHub • LinkedIn • Portfolio

SUMMARY

System Engineer with over 2 years of experience in web development for banking clients at TCS, seeking to transition into a Data Analyst role. Proficient in various data analysis tools and methodologies, with a strong interest in leveraging data to drive business decisions and strategies. Eager to apply technical skills and analytical abilities in a new setting.

KEY SKILLS

- Machine Learning Methodologies • Predictive & Statistical Modelling • Data Analysis
- Data Visualization • Predictive Modelling & Analytics • Programming • Team Coordination & Leadership

TECHNICAL SKILLS

Languages: Python, Java, Dart

Statistics/ML: Linear/Logistic Regression, Ensemble Trees, Gradient Boosted trees

EDUCATION

Post Graduation Diploma in Data Science

Oct '23 - Present

IIIT Bangalore

- Course Modules:
 - Analytics Problem Solving | Introduction to Python
 - Programming in Python | Python for Data Science | Inferential Statistics | Hypothesis Testing
 - Introduction to Machine Learning and Linear Regression | Logistic Regression | Tree Models

B. Tech in Computer Science Engineering

Jul '17 - Apr '21

Budge Budge Institute of Technology

Kolkata, IN

KEY DATA SCIENCE PROJECTS

- Domain: Medical | Tech Stack: Python | Feb '24
 - Objective: Analysis and Prediction of Breast Cancer based on certain features.
 - Solution: Analyzed the dataset from Wisconsin Diagnostic and trained Machine Learning algorithms (Logistic Regression, Random Forest Classifier and XGBoost Classifier) to predict whether the patient has Breast Cancer.
 - Key Achievement: Created an XGBoost Classifier model with AUC 0.97 and Recall (Sensitivity) score of 0.96.
- Domain: Economics | Tech Stack: Python | Feb '24
 - Objective: Analysis of state-wise Consumer Price Index of India.
 - Solution: Sourced the data from official government website, cleaned and analyzed the data and made a report.
- Domain: Real Estate | Tech Stack: Python | Jan '24
 - Objective: Uses a dataset of houses and analyses the dataset, providing the important features that dictate the prices of said houses.
 - Solution: Analyzed the dataset, figuring out the important features that dictate the price of houses and created a model to predict the price.
 - Key Achievement: Created a model with an R2 score of 0.88.
- Domain: Business Analytics | Tech Stack: Python | Dec '23
 - Objective: Analysis and prediction of business performance after the pandemic.
 - Solution: Analyzed the data and designed linear regression model to predict the direction of business.
 - Key Achievement: Created a model that does prediction with an R2 score of 0.81.

PROFESSIONAL EXPERIENCE

Assistant System Engineer

Dec '21 - Present

Tata Consultancy Services Limited

Kolkata, IN

- Provided services to banking clients including Standard Life and SBI Life.
- Developed more than 4 insurance products for banking clients, helping them expand their business.
- Expanded the TCS BaNCS framework, helping the team to enlarge the scope of the framework while fixing existing bugs.

Technical Trainer

Feb '21 - Dec '21

NiiT is an organization providing industrial level training to college and university students all over India.

- Taught **Java** and **Flutter** as an **Industrial trainer**, coaching **college and university students** from all over **India**.
- Trained over **3 batches of students**, each batch coursing over a period of **4-5 months**.
- Helped the organization to **double** its profit margin in **5 months**, by drawing in more students though **webinars** and **workshops**.

CERTIFICATIONS

- **Power BI Beginner to Pro | Pragmatic Works | Feb '24**
- **Statistics for data Science and Business Analysis | Udemey | Jan '24**
- **The Complete Prompt Engineering for AI Bootcamp | Udemey | Nov '23**

ADDITIONAL ACHIEVEMENTS & VOLUNTEER EXPERIENCE

- Won **3rd place** in the **Arm of Achelous** competition help in IIT Kharagpur.
- Helped **host** and **volunteer** for **meetups and events** for different anime fan communities in Kolkata.
- **Co-founder** of an anime fan community named "**The Otaku Guild**" that hosts **yearly events and competitions** in Kolkata.