

Sourav Mandal *Teacher*

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☎ +91 7908790565 📅 27/11/1998 🇮🇳 Indian in sourav-mandal-390064210 🔄 Sourav9827 📁 Portfolio



👤 Profile

Experienced mathematics and data science professional with expertise in Python, SQL, machine learning, and data analysis. Strong background in teaching and training, with a proven track record in developing and deploying models for classification and prediction. Detail-oriented and committed to delivering high-quality results.

🧠 Skills

Teaching (*Mathematics and Computer Science*)

Computer Science (*Python, SQL, Machine Learning and Data Science*)

MS-Office (*Advanced Excel, Power point, Word, Access.*)

Team Leader (*I lead a group of interns under me, monitor their work and as a team we solve various task in Highway Delite.*)

Machine Learning (*Linear and Logistic Regression, SVM, Xgboost, Random Forest, Naive Bayes etc.*)

Deep learning (*ANN, CNN and RNN*)

NLP (*NLTK, Machine Learning, RNN, LSTM, GRU, Self-Attention model, Transforms, Chatbot etc.*)

🎓 Education

Bachelor in Education (B.Ed), W.B.U.T.T.E.P.A

09/2021 – present | Santipur, India

On-site School Teaching Internship, Seminars, Micro-teaching, Presentations, Models, Learning Designs etc.

M.Sc Mathematics(Pure), University Of Kalyani

08/2019 – 08/2021 | Kalyani, India

- ♦ Specialization in Complex Analysis and Differential Geometry.
- ♦ Advanced Research Project on Wave Equations.

B.Sc (Hons.) Mathematics, University Of Kalyani

07/2016 – 07/2019 | Kalyani, India

Full Stack Data Science program, ineuron.ai 🔗

03/2022 – 03/2023

Data Science and Analytics, Machine Learning, Deep Learning and Big data basics.

Diploma in Information Technology,

Nehru Yuva Computer Shiksha Kendra

02/2021 – 02/2022 | Chakdaha, India

Typing, MS Office, Advanced Excel, HTML, CSS and Basic C Programming.

🌐 Languages

English ♦ Hindi ♦ Bengali

✍ Declaration

I hereby declare that all the information furnished above is correct to the best of my belief. I am responsible for the authenticity of all the information.

Sourav Mandal
Chakdaha, 29/07/2023

📁 Professional Experience

Subject Matter Expert, Vertocity

03/2023 – present | Remote, India

Training students on Data Science and Analytics
SQL, Advanced Excel, Python, Statistics, Machine Learning, Power BI, Time series analysis, Deep Learning and NLP.

Data Analytics intern, ineuron.ai 🔗

05/2023 – 07/2023 | Remote, India

- ♦ **Project Title:** NBA Data Analytics Project
- ♦ **Tools:** Python, SQL and Power BI
- ♦ **Final Output:** A presentation of the findings, including visualizations and recommendations.
- ♦ **Roles and Responsibilities:**
 - Collected(Webscrapping) and cleaned NBA player data.
 - Developed and executed data analysis queries.
 - Created visualizations of the data.
 - Presented the findings and documentations to stakeholders.

Data Science Intern, ineuron.ai 🔗

12/2022 – 02/2023 | Remote, India

- ♦ **Project Title:** News Article sorting
- ♦ **Objective:** To classify news articles into predefined categories like Sports, Technology, Entertainment, etc. using deep learning methods.
- ♦ **Tools:** Python, Google's BERT model, Azure App Services, Flask, HTML/CSS, Pandas, NumPy, Scikit-learn, TensorFlow, and Keras.
- ♦ **Final Output:** Achieved 97.96% accuracy on test set, deployed model on Azure App Services using Flask web app for predictions
- ♦ **Roles & responsibilities:**
 - Pre-processing the data to make it suitable for the model
 - Fine-tuning the BERT model for News Category Classification
 - Developing the Flask application for the model
 - Deploying the model on Azure app services
 - Testing and debugging the application
 - Documentation of the project

Teacher(Mathematics and CS), Self Employed

2017 – present | Chakdaha, India

- ♦ Freelancing Teacher of Mathematics and Computer Science
- ♦ Creating Presentations and Learning designs for everyday classes.
- ♦ Good understanding of Concepts and Application in real life situations.
- ♦ Noticeable improvements in Student's Academic results.

Associate, Highway Delite

02/2022 – 11/2022 | Remote, India

- ♦ Building database for highway related data.
- ♦ Train and monitor the work of new interns.
- ♦ Research and create documents for tourism data
- ♦ Verify and upload the highway information in the backend of the website

📁 Projects

Analysis Of Wave Equations,

Investigating Wave Behavior and Mathematical Modeling

03/2021 – 07/2021

- ♦ Investigated the fundamental concepts and mathematical formulations of wave equations.
- ♦ Investigated the effects of nonlinearities and boundary conditions on wave behavior.
- ♦ Presented the findings through comprehensive reports, visualizations, and presentations.