

Sourav Mandal Teacher

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☎ +91 8618241725 📅 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 (Webscraping) 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.