

Anirban Saha

Data science graduate and former entrepreneur looking for a full time job as a Data Scientist / NLP Engineer in Germany/ European Union.

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Linkedin | Blog

EXPERIENCE

- 2018 - 2021 **Otto-von-Guericke Universität, Magdeburg: HiWi, Tutor.**
2019: Tutored over 70 students for Machine Learning course.
- 2020 - 2021 **Georg Eckert Institute, Braunschweig: Java Developer.**
Maintained legacy code; Imported data from data banks, cleaned data, extracted texts from PDF, formatted, saved it. Worked on Apache Solr, Apache Maven.
- 2019 - 2020 **Legal Horizon, Magdeburg: Node.js Developer.**
Scraped websites, processed text, saved to central database.
- 2012 - 2015 **Tata Consultancy Services Ltd, Kolkata: SAP ABAP Consultant.**
Developed reports, interfaces for Sales and Distribution (SD), Finance and Control (FICO), Quality Management (QM) modules.
- 2011 **Indian Statistical Institute, Kolkata: Java Developer.**
Converted 50M Bengali words from ISCII code to Unicode; assisted faculty for POS tagging, micro statistical analysis on the Bengali corpus.

EDUCATION

Otto von Guericke Universität, Magdeburg — M.Sc.

M.Sc. Data and Knowledge Engineering.

October 2017 - July 2022

Courses: Machine Learning, Information Retrieval, Big Data, Data Mining, Business Informatics.

Thesis: A systematic review of application of Deep Learning methods on Clinical Notes in English. — *OVGU, Magdeburg.*

West Bengal University of Technology, Kolkata — B.Tech.

Bachelor of Technology, Computer Science and Engineering

July 2007 - June 2011

GPA: 1.7 (German grade equivalent)

PROJECTS

Natural Language Inference for legal text on COLIEE Dataset (using Bidirectional LSTM architecture) — *OVGU, Magdeburg.*

My tasks included literature review, exploratory data analysis, solution design using Tensorf, data preprocessing, feature extraction and evaluation.

SKILLS: Machine Learning, Natural Language Processing, Statistical Analysis, Database structures.

MACHINE LEARNING TECHNIQUES:

Statistical methods including decision trees, random forests, XGBoost. Deep learning methods: RNN, BiLSTM; Transformer models: BERT.

TOOLS:

Spacy, sklearn, NLTK, LSTMViz, Tensorflow, ElasticSearch, Haystack, Pandas, Numpy, Git, Jupyter Notebook and similar.

Languages: Python, Java, SQL.

EXTRACURRICULARS

Blogger-Photographer, invited to speak at Magdeburg2025; featured in BBC ([link](#)) and other Indian media houses. Now, I photograph birds!

Created **Podcasts**, covered by a local newspaper ([link](#)), indexed by university; listened to by international students across 6 universities.

LATEST HOBBY PROJECT

Custom NER to detect bird names from user-generated short texts on social media, using NLP techniques and Spacy ([link](#))

LANGUAGES

English - almost native.
German - very novice.
Bengali - native.

NON-DATA SCIENCE EXPERIENCES & ACHIEVEMENTS:

- Invited to “International Visitor Leadership Program” on invitation by the USA Government’s Department of State Bureau of Educational and cultural affairs in 2017 ([link](#)).
- Former entrepreneur, established Kolkata Bloggers during 2016-17.

Built a network of over 4000 bloggers in East India. Did **marketing** & CRM for clients over social media, conceptualised **advertisements** for products & events. Created tools to generate content during live events and **maximising their reach on social media**.

- Worked as Working Student - Project Management at Data4Life, Berlin, 2021.
- Worked as Working Student - Project Assistant at Otto-von-Guericke Universität, Magdeburg - Faculty für Informatik. Project: “Support Internationals at FIN, OVGU”, under Dr. Claudia Krull. Apart from conceptualising and creating content for the website and social media, I investigated into the cultural differences between students from Germany/EU and South Asia/ Asia.

RELATED WORK:

Clientele, collaborators of Kolkata Bloggers include the Bengal Government ([link](#)), NASSCOM (National Association of Software and Services Companies, India) ([link](#)), US Consulate Kolkata, Facebook (we published a [book](#) and partnered for a couple of projects), International Kolkata Book Fair, to name a few.

At University: **Mentor** ([link](#)) for incoming international students in the faculty for Informatik, OVGU. Founding member of **Academic Club**, founded the Communications Team; Assisted to create content on website ([link](#)).