



Gaurav Mamgain

Experienced Data Scientist/ML Researcher with 8+ years of success in algorithm development & predictive modeling. Skilled in NLP & DL algorithms, delivering production-ready code for end-to-end research and business applications.

GET IN CONTACT

Mobile: +91-7406699914

Email: gauravommamgain@gmail.com

PERSONAL DETAILS

- Total Experience 8 Years 0 Month
- Current Location Bangalore/Bengaluru
- Date of Birth Oct 08, 1990
- Gender Male

SKILLS

- Deep Learning
- Django Framework
- Pytest Framework
- Docker
- Tensorflow
- Keras
- Pytorch
- Bert
- Transformers
- Natural Language Processing
- Cnn
- Sonarqube
- Amazon Ec2
- Cuda
- OCR
- Visual Studio Code
- Solid Principles
- Nltk
- Spacy
- Pytorch
- Tensorflow
- Keras
- Scikit-Learn
- Pandas
- Numpy
- Dask
- Seaborn
- Matplotlib
- Sequence Models
- Statistical Modeling
- Machine Learning
- Data Processing

PROFILE SUMMARY

With over 8 years of hands-on experience as a Data Scientist and ML Researcher, expertise in cutting-edge algorithm construction, NLP, and scalable solutions. Skilled in production-quality code, end-to-end pipelines, and driving data-driven insights for informed decision-making. Passionate about innovation and impactful results.

EDUCATION HISTORY

Post Graduation

Course	M.Tech(CSE with Spec in AI and ML)
College	Vellore Institute of Technology
Year of Passing	2019
Grade	8.7/10

Graduation

Course	B.Tech/B.E.(Computers)
College	Uttar Pradesh Technical University (UPTU)
Year of Passing	2013

WORK EXPERIENCE

Dec 2021 to Present

Lead Data Scientist at Standard Chartered

Led data science team in developing end-to-end deep learning solutions:

- Automated reconciliation process using NER, computer vision, and language models for provider fund reconciliation in banking operations using techniques OCR, NLP, Text preprocessing, and Classification models.
- Implemented computer vision and NLP-based DLP to classify confidential, public, internal, and restricted documents in employee systems.
- Designed HLD and LLD documents for use cases.
- Developed E2E data gathering, model training, and API building via Django, ensuring design patterns, code coverage (pytest), and coding standards (sonar lint). Built E2E ML lifecycle pipeline.
- Deployment in Amazon EC2, OCP containers, CI/CD

- Big Data
 - LLMs
-

TECHNICAL SKILLS

- Python
 - Django Framework
 - Postgresql
 - Pytest Framework
 - Tensorflow
 - Deep Learning
 - Machine Learning Algorithms
 - Natural Language Processing
 - FLAIR
 - Docker
 - Pytorch
 - Keras
 - Scikit-Learn
 - Spacy
 - Nltk
 - Seaborn
 - Data Visualization
 - Pandas
 - Numpy
 - SQL
-

LANGUAGES KNOWN

- English
 - Hindi
-

COURSES & CERTIFICATIONS

- Deep Learning Specialization
 - Introduction To Machine Learning Coursera
-

SOCIAL LINKS

- <https://www.linkedin.com/in/gaurav-mamgain90/>

Pipelines

- Provided guidance, led day-to-day tasks, conducted code reviews, and contributed individually.

Aug 2018 to Nov 2021

Data Scientist at Philips Innovation Campus

Developed end-to-end machine learning solutions for IoT healthcare:

- Worked on MRI-based brain tumor classification using an ensemble of deep features and machine learning classifiers.
- Techniques used Transfer Learning (VGG16, U-NET), Image preprocessing, classification models, object detection
- Built deep neural networks for alerting system data using time series models and medical record classification from medical devices using CNN based approach.
- Implemented the Device File Transfer feature to download files from associated devices and upload them to the cloud for analysis using predictive models.
- Deployment EC2, Cloud Foundry, Amazon S3buckets, and Amazon Egde boxes.

Jul 2015 to Jul 2017

Technical Officer - Analytics at Ministry of Electronics & Information Technology (MEITY)

Responsible for leading a research team to develop E2E analytical solution for the ETP program.

- Performed ETL (Extract Transform Load) and data wrangling on data generated from ETP.
- Network anomaly detection for Wireshark packet flow classification on multi-type attacks like DDOS, SQL, PROBE

Jul 2013 to Jul 2014

IndiaMart Intermesh Ltd at Technical Consultant - Analytics

Responsible for developing analytical solutions for SME businesses.

- Consulting SMEs (Small and Medium Enterprises) to develop business using analytical solutions with the assistance of data analytics tools.
 - Prepare dashboards and present actionable business insights to the clients.
-

PROJECTS

Multi-evidence Natural language Inference for clinical trial data, 3 Months

This task is based on a collection of breast cancer CTRs, statements, explanations, and labels annotated by domain expert annotators. To determine the inference relation (entailment vs contradiction) between CTR - statement pairs.

Techniques: Text Preprocessing, NLP, Bert Embeddings, Language Models, Classification, Pytorch, nltk, Pandas, GPU, Numpy