

Sachin Kalsi, passionate programmer

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[Portfolio](#) | [LinkedIn](#) | [Github](#) | [Stackoverflow](#)

Senior Data Scientist with ~7 years of experience in NLP, Machine Learning, Deep Learning and full stack software development.

PROJECTS

❖ NEWS Deduplication at Scale

- Everyday thousands of news related to companies are harvested from different sources. The same news in one source could repeat in another source but may be for a different day. Finding and eliminating such duplicate news is challenging.
- Built custom ML models to cluster the similar news of a given company by taking the window of the last 5 days news and to pick the relevant news from each of the clusters.

❖ Information Extraction from Web Pages

- Built a generic web scraper to extract certain information from a given URL (domain specific) which reduced the human efforts by 60%
- Built chrome extension and flask app to generate training data for the machine learning models. This helped in easy annotation of various HTML elements and resulted in more accurate data extraction.

❖ Natural Language Search Engine

- Designed and developed the NLQ Engine which helps the user to find the solution to their questions/queries.
- Various models have been trained, developed, tested and deployed for intent classification & named entity recognition (NER).

❖ Ecommerce Website

- Built couple of e-commerce websites end to end right from collecting the requirements to development & deployment of the application
- MEAN Stack development, API development and a bit of DevOps

EDUCATION

Bachelor of Engineering (B.E.) in Computer Science (2009 - 2013) - VTU

EXPERIENCE

DRAUP (draup.com)

Senior Data Scientist

- Built an NLP based search engine including custom entity recognition.
- Worked on generic scrapers, browser extensions, Information extraction from unstructured data & pattern identification.

Calient Technologies

Software Engineer (Machine Learning)

- Analyze network device logs & classify the issues.
- Algorithm design to auto discover optical switches port.

Cogoport

Software Developer

- Crawl websites, data analysis, DB & REST API development.
- Mentoring Interns, Data interpretation for sales team.

Techniche e-commerce

Full Stack Developer

- Built e-commerce websites, full stack development.
- Train & mentor freshers.

Hewlett-Packard (HPE)

Technical Consultant-II

- Built internal Java applications

SKILLS

Programming languages: Python, Java(Fluent, Prior Experience), Javascript (Proficient)

Libraries: Pandas, Scikit-Learn, NLTK, Gensim, Seaborn, tf.keras v2.2, PySpark (Basic)

Database: MongoDB (Fluent, Prior Experience), MySQL (Basic)

Machine Learning: KNN, Logistic regression, Random Forest, SVM, Ensemble models, Unsupervised algorithms, Word2Vec, Basic Stats

Deep Learning: LSTMs, Seq2Seq, BERT