Sachin Kalsi, passionate programmer

sachinkalsi15@gmail.com,
+91 9945746470

Portfolio | **Blog** | **LinkedIn** | **Github** | Stack**overflow**

Senior Data Scientist with 4.5 years of experience in Software development & 2+ years of experience in Machine Learning focused primarily on NLP

EXPERIENCE

DRAUP (draup.com)
Senior Data Scientist
- Built NLP based search engine including custom entity recognition.
- Worked on generic scrapers, browser extensions, Information retrieval from unstructured data, pattern identification.

Calient Technologies
Software Engineer
- 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

EDUCATION

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

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

Other tools & techniques used: [DBPedia](), Databricks, Rasa.ai, BERT (base)

PROJECTS

❖ **Natural Language Search Engine**
  ➢ Redirecting the user queries (in natural language) to one of the relevant page along with the identification of entities such as job title, skill etc
  ➢ Various models have been trained, developed, tested and deployed for intent classification & named entity recognition (NER).

❖ **Generic web scrapers**
  ➢ Built a generic web scraper to extract various fields from a given university URL which reduced the human efforts by 60%
  ➢ Built chrome extensions which helped in annotation of various HTML elements which resulted in more accurate data extraction

❖ **Business function classification**
  ➢ Classify the outsourced projects of a company into various categories
  ➢ Achieved a precision of 0.85 with well calibrated probabilities.

❖ **Error Log Analysis**
  ➢ Analyse the error log files produced by network devices
  ➢ Classify and assign the priority for the logs

❖ **Other Projects**
  ➢ Designed small scale e-commerce websites.
  ➢ Database design, REST API development, DevOps, payment gateway integration etc
  ➢ Built Custom CRM with limited features for internal use (one such feature: **Track Email**)