Naveen JOHNSON VALLAVANATT

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KEY STRENGTHS

Data Scientist with MSc in Data Science (EURECOM) and 2+ years enterprise analytics experience. Proficient in Python, PyTorch, TensorFlow, NLP, deep learning, and knowledge engineering. Seeking Junior Data Scientist roles; open to Junior Data Engineer/Analyst positions.

EXPERIENCE

Data Science Research Intern - AI Planning / NLP

ALTEN Labs   **March 2025 - August 2025, Valbonne, Alpes-Maritimes, France**

- Built a template-driven LLM pipeline to generate formal task specs; then executed with an open-source planner
- Added schema/consistency checks with automated fixes, cutting execution failures and improving reliability by ~60%
- Implemented state hashing and content-addressed caching; built utilities for plan replay and auditability

Associate Consultant - SAP Analytics

Blueprint Technologies Pvt Ltd   **December 2021 - August 2023, Bengaluru, Karnataka, India**

- Delivered 20+ SAC dashboards with drill-downs and variance views for pharma and agrochem stakeholders
- Built ETL migrations between SAP ECC and BW/4HANA (ADSOs, CompositeProviders, transformations)
- Designed KPI logic and led data reconciliation, and UAT for production reports. Delivery across 5+ enterprise projects

Intern - SAP Analytics

Blueprint Technologies Pvt Ltd   **July 2021 - December 2021, Bengaluru, Karnataka, India**

- Completed 200+ hours across SAC, BW, HANA, Python, SQL; contributed prototypes and ETL/UAT documentation
- Automated data-quality checks using Python/Pandas and SQL extracts

EDUCATION

Master of Science in Computer Science, Data Science Specialization

EURECOM ▪ Biot, France ▪ 2023 - 2025

▪ Core subjects: Machine Learning and Intelligent Systems, Distributed Systems and Cloud Computing, Database Management System Implementation, Deep Learning, Advanced Statistical Inference

Diploma in Data Science

Indian Institute of Technology, Madras ▪ Chennai, Tamil Nadu, India ▪ 2021 - 2024

Bachelor of Technology in Electronics and Communication Engineering

National Institute of Technology, Calicut ▪ Kozhikode, Kerala, India ▪ 2016 - 2020

PROJECTS

Knowledge Engineering in the LLM Era   EURECOM ▪ 2024

- Reproduced and extended Text2KG Bench experiments, comparing SOTA LLM models for precision, recall, and F1-score
- Built an ontology-aware LLM pipeline for generating RDF triples; evaluated semantic accuracy, OC, and hallucinations
- Integrated DBpedia-WebNLG, Wikidata-TekGen, Odeuropa datasets (added additional ontologies, CIDOC-CRM-aligned)

Sentiment Analysis using BERT   EURECOM ▪ 2024

- Implemented a BERT-based model for tweet sentiment classification achieving 78% F1-score
- Compared performance with traditional NLP approaches, demonstrating superior results with BERT
- Leveraged Git and GitHub for version control, code collaboration, and project management

SKILLS

Programming/ML: Python, SQL, R, scikit-learn, PyTorch, TensorFlow, Pandas, NumPy, SpaCy, NLTK, HuggingFace, LangChain

Data/BI/Cloud/Devops: Feature engineering, model evaluation, ETL, SAP SAC, KPI design, GCP, AWS, Docker, Git, CI/CD

Languages: English - Proficient (C2), French - Intermediate (B1)