Mr. Meet Bhatt

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WORK EXPERIENCE

Data Steward
PoL EXC , TU Dresden *03/2025 - 12/2025* *Dresden, Germany*

- Provided training and support for the electronic lab journal , DMP. (eLabFTW).
- Created data management guidelines for groups.
- Provided data management tools, introduction to services for group leaders and lab managers.
- Supporting the LIMS system for the Cluster of Excellence.
- Experience in collaborating with the IT committee, administrative committee, and faculty committee.

Bioinformatician
RWTH Aachen University *02/2023 - 02/2025* *Aachen, Germany*

- Performed score-matching analyses for time-dependent exposures in survival data with big data cohorts from the UK Biobank and RWTH Clinic datasets.
- Developed n-gram-based algorithms for fat quantification in MRI images.
  Implemented machine learning techniques (SVM, CNN) for MRI data analysis and classification.
- Applying the Word2vec algorithm to untargeted metabolomics data for omics analysis and phenotype observation.
  Utilizing SVM and PCA for processing metabolomics data and phenotype classification.
- Supervised master's students in data analysis techniques and research project management.
- Organized and coordinated tasks for a multidisciplinary research project focusing on big data analysis, machine learning, and medical imaging.
- Tech Stack: Python, NumPy, Pandas, PyTorch, Scikit-Learn, OpenCV, Git, R (NLOpt), Docker, MySQL, Notion.

Data Engineer
University Clinic Mannheim *12/2021-12/2022* *Mannheim, Germany*

- Developed and implemented statistical methods for analyzed survival data of cancer patients using large cohort datasets.
- Designed and built a scalable data transfer platform and data lakes using Apache Spark and Apache Kafka for integrating site networks.
- Administerd and optimized Windows and Linux server systems.
- Implementing FAIR data principles for metadata from HL7 standard-based electronic health records and laboratory information systems.
  Connecting a customized data transfer ETL pipeline with Data Lake to the research infrastructure with SAS Viya.
- Tech Stack: Python, Tensorflow, PyTorch, Scikit-Learn, OpenCV, Git, Docker, PostgreSQL, Confluence, Jira, Figma, Java, Spring.

Master thesis
Helmholtz Center München *01/2021 - 07/2021* *Munich, Germany*

- Assessed of DZIF data quality for visualisation based on Tidy Data.
- Sorting of data and use of Kaplan curve with ROC-AUC curve.
- Experienced working with SDTM from CDISC for clinical data captured in a database.
- worked with nucleotide and protein sequence alignment using PDB, NCBI, BLAST, Zinc DB, PyMOL (Pyhton) Technology
- stack : Star LIMS(SQL), R , R shiny

Intern
Institute for Pathology, Regensburg *02/2020-08/2020* *Regensburg, Germany*

- Sample quality assessment workflow managed
- Biobank accreditation process with introduction of new SOPs and application of sample separation methods
- Utilisation of NGS sequencing data for a genetic research project for sclerosis patients
- Image segmentation with U-net and CNN model Python (OpenCV, Tensorflow)

EDUCATION

M.Sc. Biobanken and complex Data management
CHU NICE -University Cote D'Azur   *10/2019 - 09/2021,*   *Nice, France*
Bachelor of biotechnology in Biotechnology
University Rai   *07/2014 - 06/2018*   *Ahmedabad, India*

PROJECTS

- Biobanking of biosamples from coronavirus patients Profitability analysis   (04/2020 - 06/2020)
  https://doi.org/10.1089/bio.2020 . 0168
- Quality & temperature analysis of biobank samples based on the purification process (04/2020 - 08/2020)
- Semantic segmentation with U-net of microscopic mitochondrial images RNA Seq analysis for workflow development
  (internship)   (06/2021 - 08/2021)
- NGS analysis (additional projects with work)   (07/2018 - 09/2019)
  DNA and RNA separation, Sanger sequencing, NGS sequencing for BCR-ABL and NCPT test for genetic diseases.
- Mathematical modelling of the performance of metabolites in the liver   (02/2023 - 02/2025)
- Gene expression analysis of liver patient data   (02/2023 - 02/2025)
- GCP & AWS for the use of parallel programming in HPC   (02/2023 - 02/2025)

ARTICLE

- Interim storage of biosamples in satellite collection centers June 2022 Biopreservation and Biobanking
  DOI:10.1089/bio.2022.0002
- Biobanking of samples from COVID-19 patients: An economic perspective from a clinical biobank May
  2021Biopreservation and Biobanking 19(5) DOI: 10.1089/bio.2020.0168

LANGUAGES

German	Englisch	French
Intermediate	*Mother tongue/ Fluent*	*Intermediate*

SPECIAL COURSES

- EU Proposal workshop by RWTH Aachen University.   June 2024
- Next generation sequencing Workshop   September 2024