



Sachin Yadav

IT student at Uni Stuttgart with strong programming, AI and Software development experience

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📁 Portfolio | [🌐 LinkedIn](#) | [🐙 GitHub](#)

EDUCATION

Languages: German A1, English C2

University of Stuttgart, Germany

Expected: Oct 2025

Master of Science

Field of Study: Software Engineering (Informatik)

New Horizon College of Engineering, India

2015-2019

Bachelors of Engineering

Field of Study: Electronics & Communication

PROFESSIONAL EXPERIENCE

PhiTag

Stuttgart, Germany

Working Student - Software Developer

October 2023 –Present

- Developed and maintained full-stack web applications using Java Spring Boot ,Next.js and Postgres, ensuring seamless frontend-backend integration.
- Implemented new features, troubleshoot issues, and managed deployments, enhancing my skills in DevOps and server management.
- Designed and debugged applications for accuracy and performance, improving problem-solving skills and attention to detail.
- Developed and optimized NLP models and assisted in implementing and fine-tuning large language models (LLMs) for various text annotation tasks.

University of Stuttgart

Stuttgart, Germany

Working Student - Software Developer

July 2023 –August 2023

- Developed backend services with Node.js, enhancing skills in server-side development and asynchronous operations, while also managing MySQL for data handling and optimization.
- Created dynamic and responsive user interfaces using React, and deployed the application on Google Cloud, gaining experience in cloud services, containerization, and CI/CD practices.

PROJECTS

Towards Automating Text Annotation: A Case Study on Semantic Proximity Annotation using GPT-4 ([Paper](#), [Code](#), [Data](#))

- Automated the data annotation process using GPT-3.5 and GPT-4 for semantic proximity labeling, fine-tuning models to improve accuracy for domain-specific tasks.
- Developed a scalable workflow to handle large-scale annotation projects, reducing human intervention while maintaining high precision.

Sentiment Analysis

- Developed an NLP-based sentiment analysis model for press or news data to classify text as positive, negative, or neutral, utilizing Python, Hugging Face Transformers, Parameter-Efficient Fine-Tuning, PyTorch, scikit-learn, etc.

Multilabel Classification

- Developed a multilabel classification model using BERT and evaluated with a different base model for news data, applying advanced pre-processing and feature extraction and fine tuning techniques to classify text into multiple categories with high accuracy.

Extension of AdaPrivFlow

- Worked on Adaptive Privacy on Flow Framework for Connected Vehicles using CARLA, MongoDB, Kafka, and the Flink platform. Developed a system for real time data processing and visualization, ensuring real-time privacy adaptation for connected vehicle environments.

SKILLS

Languages & Frameworks: SQL, Python, Java, HTML, CSS, JavaScript, Typescript, Spring Boot, Node, React

Principles / Concepts: Object-Oriented Programming (OOP), Test Driven Development, Clean Code, SOLID Principles, CI/CD Pipelines

LLM/AI: OpenAI API, LLaMA, BERT, Hugging Face, etc

Tools: Git, Docker, Linux, Google Cloud Platform, Microsoft Office, Visual Studio

Project Management: Agile Methodology, Jira.