

Curriculum Vitae

PERSONAL INFORMATION

Name: Deepanshu Sonparote
Address: Allmandring 14A Nr.23,
70569, Stuttgart, Germany
E-Mail: deepanshusonparote@gmail.com
Mobile: +49 15124865082
Birth Date: 08/04/1998



EDUCATION

Since Apr 2021	M.Sc. Computer Science University of Stuttgart, Germany
Jun 2016 - Oct 2020	B.E Computer Engineering Rajiv Gandhi Institute of Technology, Mumbai – India 9.09 /10 CGPA

TECHNICAL AND LANGUAGE SKILLS

Programming:	Python, JavaScript, SQL
Technologies:	Scikit-learn, Pandas, Numpy, TensorFlow, PyTorch, Git, Docker
Databases:	MySQL, MongoDB, Google-Firebase, SAP DWC
Tools:	Qlik, Tableau, Excel
Languages:	English (Native or Bilingual Proficiency) German (Limited Working Proficiency)

WORK EXPERIENCE

Porsche AG, Stuttgart – Germany

Intern at Data and AI platform, December 2022 – Current

- An application for tracking and planning consumption costs across various platforms in the Data and AI .

Ferdinand-Steinbeis-Institut, Heilbronn – Germany

AIoT Application Developer, April 2022 – October 2022

- Built an inexpensive pneumatic leak detection system using deep learning models and cloud services on Raspberry Pi
- Developed an online analytical tool to map industrial use cases to governance
- Created an end-to-end web platform for logistics handling and product management using React and Google Firebase.

Robert Bosch GmbH, Stuttgart - Germany
Data Quality Support, August 2021 – Feb 2022

- Developed Python scripts for automatic metadata extraction from CANape files
- Provided support for data pre-processing and quality management in an automated parking system
- Conducted root cause analysis of varied data distribution to enhance the performance of ML models.

Murf AI, Bangalore - India
Deep Learning Intern, Dec 2020 – Mar 2021

- Enhanced TensorflowTTS library by adding an emotional embedding layer to work with FastSpeech2 model
- Fine-tuned Multi-band MelGAN model as a vocoder to convert Mel-Spectrograms to audible waveforms
- Gathered and processed audio data for voice cloning and emotional audio synthesis.

PERSONAL PROJECTS

Chatbot using OpenAI and Telegram

January 2023

- Developed Telegram Chatbot using GPT-3 and Dall-E.
- Implemented in Python and deployed as a serverless app on AWS Lambda.
- Utilized Telegram Bot API for interactive user experience.
- Showcased expertise in AI, cloud computing, and software development.

Crop Disease Detection and Diagnosis, Mumbai - India

Aug 2019 - Apr 2020

- Developed a web app for crop disease diagnosis using real-life images from nearby farms.
- Fine-tuned AlexNet, Resnet, MobileNet, and a custom Deep CNN for image classification.
- Achieved 97.51% validation and 97% testing accuracy.
- Published comparison of classification models in IRJET journal's website (<https://www.irjet.net/archives/V7/i5/IRJET-V7I5621.pdf>)

Driver Behavior Detection for User Based Insurance, Mumbai - India

May 2019 – Aug 2019

- Developed a system to classify driving patterns and determine insurance premium rates
- Collected driving data using an OBD II device
- Clustered the data using Expectation-Maximization (EM) Clustering to classify driving patterns
- Conducted real-time analysis using an onboard mobile device.

CERTIFICATIONS

Deep Learning Specialization

Coursera, Online

May 2020 - Sep 2020

<https://www.coursera.org/account/accomplishments/specialization/certificate/FRRFBXKASWGV>