



# Shivam Nirhali

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About me: An aspiring student pursuing an M.Sc. in Web and Data Science with a skillset in Java and Python programming language. Having 2+ years of experience as a Full-stack Developer in the IT industry. Self-organized and composed of working standards.

## ● WORK EXPERIENCE

01/04/2021 – CURRENT – Koblenz, Germany  
**STUDENT ASSISTANT** – UNIVERSITY OF KOBLENZ-LANDAU

Examining student's Assignment for the Semantic Web course.

20/02/2017 – 19/09/2019 – Pune, India  
**PROJECT ENGINEER** – CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING (CDAC)

- Full Stack Development/Management of Web Application and APIs.
- Development and Management of Android Application.
- Data Analyst and System Admin for Digital signature project.

## ● EDUCATION AND TRAINING

01/09/2019 – CURRENT  
**MASTER OF SCIENCE (MSC)** – University Of Koblenz-Landau

01/08/2016 – 31/01/2017  
**PG-DIPLOMA IN ADVANCED COMPUTING** – Center for Development of Advanced Computing (CDAC)

01/08/2012 – 01/06/2016  
**BACHELOR OF ENGINEERING** – Savitribai Phule Pune University

## ● PUBLICATIONS

**Data Security Using Text-Based Graphical Password and QR Code.**

International Journal of Engineering Science and Computing(IJESC)  
2015

## ● PROJECTS

**Automatic Detection of Model Transformation Intents**

- Researched and Implemented classification model for Model Transformation Intents.
- Used nltk library for Natural Language processing to clean the data.
- Implemented and evaluated 9 different ML algorithms for classification including Neural Network.
- Used multiple concepts from Sklearn python lib such as Feature Extraction, Pipeline, Confusion Matrix, etc.

**COVID-19 Prediction (Academic)**

- Data processing, analysis, Visualization, and Linear Regression based prediction.
- Developed Covid-19 cases prediction using Linear Regression model in python.
- Technologies Used Apache spark, pandas, geopandas, Matplotlib.

## J2EE Electronic Voting System (Academic)

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- Development of web application on J2EE Architecture.
- Working with MySQL database, hibernate ORM, Enterprise Java Beans used for backend, and frontend support by JSF and Bootfaces.

## ASP Integration Gateway

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- Development and Design of a web-based Client Onboarding system using Spring MVC and PostgreSQL database.
- The onboarding process improved by 30%.

## BOL Android Messaging Application

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- Prototype using open-source Conversation app.
- Development of android messaging application with end-to-end encryption using a signal protocol.
- Also configured and deployed ejabberd server.

## ● DIGITAL SKILLS

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### Programming Languages

Python | Java | C#

### Technologies/Framework

Numpy | Pandas | AngularJS | CSS | HTML | SQL | Natural Language Processing (NLP) | Git | Machine Learning | Spring Boot/MVC | Scikit-Learn | Docker

### Environment/Tools

Linux | Windows | Eclipse | Visual Studio | Pycharm | Jupyter

## ● LANGUAGE SKILLS

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**Mother tongue(s):** HINDI

**Other language(s):**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C1	C1	C1	C1	C1
<b>GERMAN</b>	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user