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## Personal Information

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My-Website <https://xander123.pythonanywhere.com/>  
Date of Birth 04.08.1993  
GitHub <https://github.com/smilyamit>



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## Professional Experience

09/2021 – 05/2022

### BASF, Cologne, Germany

*Master Thesis in Weed risk predictions in Agricultural field by observing weed emergence patterns using Django, Flask, JavaScript, AWS, and others*

- **Designing the Subqueries for Data Lake**
- Made the **Django REST API** & perform novel Feature Engineering on data in machine learning pipeline
- **Serializing data** using JSON Web tokens
- Worked on **Authentication and Authorization**, adding pagination
- Built **Microservices** based on Python Framework e.g., Flask

04/2021 – 09/2021

### BASF, Cologne, Germany

*Working Student in Research & Development in Crop Modelling Team*

- Built Crop Yield Model based on rule based & **Machine Learning algorithm**. (Team: 11)
- Improved & changed the **existing REST API** and made several modifications in **Lambda function on AWS**
- **Django on the server-side** is used to handle Weather API, Soil API. Its running time is optimized using the async function

01/2020 – 06/2020

### KoRo Handels GmbH, Berlin, Germany

*Internship in Product & Web Development*

- Solved the missing media query problem of the website using **CSS & JavaScript**
- Tackled website slows loading problem by using **CDN** and optimize code related to plugin & image stuff
- **Built NLP based Chatbot** & Integrated with Slack for chat assistance

07/2016 – 09/2018

### Unigaz Tech, Doha, Qatar

*Junior Project Engineer in Sensor System*

- Built the entire **sensor-based fuel system** of Qatar Naval Base
- Tested & commissioned various **embedded control units**.

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## Education

10/ 2018 – Present

**Ernst Abbe Hochschule Jena University of Applied Science, Germany**  
*Master of Science in Scientific Instrumentation*

Python, Scientific Computing, Embedded systems, Sensors Technologies

08/ 2011 – 07/2015

**Visvesvaraya Technological University, Bangalore, India**  
*Bachelor of Engineering in Mechanical Engineering*

Engineering Mathematic, Computer Integrated Manufacturing, Mechatronics and Computation Basics.

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## Personal Skills and Competence

Technical Skills

- **Python: Django, Flask,**
- **Web Stack: JavaScript, React, HTML, CSS**
- **Java: Data Structure & Algorithm**
- **AWS Services like AWS EC2, S3, Lambda, API Gateway**
- **SQL and NoSQL DBMS: My SQL, PostgreSQL, MongoDB**
- Data Visualization Tool: Tableau
- **Repo & container engine: Data Lake, Docker**
- Version Control: Git, Source Tree, Bitbucket
- System: Mac, Windows, Linux
- Atlassian Tools & other: Jira, Confluence, Microsoft Office 365

Language Skills

- German -B1, English-Fluent, Hindi-Native

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## Hobbies

- Drone Flying, Photographing, Trekking

Jena, June 2022