Shivam Nirhali

Nationality: Indian

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Gender: Male

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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

Student assistant
University Of Koblenz-Landau [01/04/2021 – Current]

City: Koblenz
Country: Germany

- Prepared class materials and graded assignments to keep courses on track and promote student learning.
- Supported student learning objectives through personalized and small group assistance.
- Provided support to help students with special needs learn and grow.

Project engineer
Centre for Development of Advanced Computing (CDAC) [20/02/2017 – 19/09/2019]

City: Pune
Country: India

- Collaborated with ADMIN TEAM, representing the web team to establish project goals, projections, and milestones.
- Gathered and defined STAFF requirements to develop clear specifications for project plans.
- Wrote quality codes to program complete applications.
- Created and implemented database designs and data models.
- Designed, developed, and implemented software applications for websites based on analyzed requirements.
- Developed, updated, and organized ASP INTEGRATION GATEWAY and ESIGN MANAGEMENT SYSTEM databases.
- Lead Team to Develop a prototype of ANDROID MESSAGING APP based on conversation APP and ejabberd server.
- Tested programs and databases to identify issues and make necessary modifications.
- Administered, supported, and monitored databases by proactively resolving database issues and maintaining servers.

EDUCATION AND TRAINING

Master Of Science (MSc)
Web and Data Science, University Of Koblenz-Landau [01/09/2019 – Current]

Bachelor Of Engineering
Computer Science, Savitribai Phule Pune University [01/08/2012 – 01/06/2016]

PG-Diploma in Advanced Computing
Advanced Computing, Center for Development of Advanced Computing (CDAC) [01/08/2016 – 31/01/2017]

PUBLICATIONS

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

[2015]

International Journal of Engineering Science and Computing(IJESC)

PROJECTS

Automatic Detection of Model Transformation Intents

- Multiple classification models for Model Transformation Intents classification were thoroughly researched and implemented.
- To preprocess the data, I used the nltk library for Natural Language Processing.
- Nine unique machine learning methods, including Neural Network, were implemented and tested for classification.
- Feature Extraction, Pipeline, Confusion Matrix, and other Sklearn python lib concepts were used.

https://github.com/srnirhali/model-transformation-intents

COVID-19 Prediction

- Using a linear regression model, forecast COVID-19 cases.
- Technologies Used Apache spark, python pyspark pandas, geopandas, Matplotlib.

https://github.com/srnirhali/BigData-Covid-19/blob/main/PythonNumpy/BigData.py

J2EE Electronic Voting System

- 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.

https://github.com/srnirhali/JavaEE_EVS

ASP Integration Gateway

- Using Spring MVC and the PostgreSQL database, I developed and designed a web-based Client Onboarding solution.
- The onboarding procedure was improved by 30%.

Esign Document Management System

- I designed and developed a web-based system to handle the project's infrastructure document workflow.
- Spring, Hibernate, PostgreSQL, and Tomcat server were used to design and implement the REST API.
- For responsive frontend development, AJAX, javascript, Bootstrap, and HTML/CSS were used.

BOL Android Messaging Application

- ○ 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.

Tiny Wings

- ○ Freelancing Android App development Project.
- ○ Android app development consuming Rest APIs and Auth2.

Object relational Mapping (ORM) Portal

- ○ A web application in the ASP.NET framework using the C# language and MVC architecture.
- ○ Online portal to generate Database queries from Class DLL and vise versa.

DIGITAL SKILLS

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

Mother tongue(s):

Hindi

Other language(s):

English

LISTENING C1 **READING** C1 **WRITING** C1

SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** C1

German

LISTENING A1 **READING** A1 **WRITING** A1

SPOKEN PRODUCTION A1 **SPOKEN INTERACTION** A1