HARSHWARDHAN PATIL

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EDUCATION

MASTER OF SCIENCE IN DATA SCIENCE
Indianan University, Bloomington   (Aug. 2022 to Present)
- Courses: Machine Learning, Cloud Computing, Statistics

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND TECHNOLOGY
Shivaji University, Kolhapur   (Aug. 2016 to March 2020)
- CGPA: 8.92 / 10

WORK EXPERIENCE

SYSTEM ENGINEER
Infosys Limited, Bangalore   (Nov. 2021 to July 2022)
- Involved in complete Software Development Lifecycle (SDLC).
- Reviewed and implemented changes in PLSQL codes and oracle schemas to enhance and improve the existing systems.
- Coordinated with the onshore team for ticket analysis, fixes, and review resulting in 30% faster completion of tasks.

BUSINESS DATA PROCESSOR
JIO Communications, Kolhapur   (May 2018 to July 2018)
- Got awarded with Gold Certificate for the "Digital Champions Program" conducted by JIO.
- Interacted closely with 81 Small and Medium Businesses (SMBs) within Kolhapur to get insights into their business and challenges.

PROJECTS

DEYE – DOOR WITH AN EYE
- Developed a Face Recognition-based Door unlock system using Python, OpenCV, and Firebase on Raspberry Pi.
- Achieved more than 86% of accuracy for real-time Face detection and recognition.
- Developed a Mobile application using Flutter and Firebase that gives a notification when attempted to unlock the door.

SPEAKER IDENTIFICATION SYSTEM
- Built a deep learning model using Python and MFCC-GMM model.
- Achieved an accuracy of 93% in the Vox Forge Dataset and 83% in the self-made Dataset.
- The model learns the speech models from existing labeled data and then transcribes the entire voice recording using google speech to text API as a conversation.

CERTIFICATIONS

- **Microsoft Certified: Azure Fundamentals (AZ-900)**
- **Microsoft Certified: Azure AI Fundamentals (AI-900)**
- **Microsoft Certified: Azure Data Fundamentals (AZ-900)**

SKILLS & TOOLS

PROGRAMMING LANGUAGES
- C
- Java
- Python

DATABASES
- Oracle (PL/SQL)
- MySQL

DEVELOPMENT TOOLS
- Eclipse
- PyCharm
- Visual Studio
- Anaconda
- Oracle SQL Developer

OPERATING SYSTEMS
- Linux
- Windows

TECHNICAL SKILLS
- OOPS
- Data Structure and Algorithms
- Cloud Computing
- OpenCV
- Git/GitHub
- Web Development

SOFT SKILLS
- Communication
- Problem-Solving
- Active Learning
- Risk Analysis
- Stress and Time Management

INTERESTS
- Music
- Origami
- Cooking

OTHER ACTIVITIES

- Co-Secretory of Data Science Club, Indiana University
- Part-time employee at IU Dining
- Volunteer at IU cinema