HARSHWARDHAN PATIL

SYSTEM ENGINEER

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📖 EDUCATION

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND TECHNOLOGY
Shivaji University, Kolhapur   **(Aug. 2016 to March 2020)**
- CGPA: 8.92 / 10
- Shortlisted for "Best Outgoing Student of the Year Award"

💼 WORK EXPERIENCE

SYSTEM ENGINEER
Infosys Limited, Bangalore   **(Nov. 2021 to Present)**
- 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.

BACKEND DEVELOPER
Digital Microsys Technologies, Kolhapur   **(May 2019 to Oct. 2019)**
- Developed an Inventory management system and Billing desktop application using C# and SQL server for Yash Hotel, Panhala.

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 VoxForge 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   - MySQL
- Mongo DB   - PostgreSQL

DEVELOPMENT TOOLS

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

OPERATING SYSTEMS

- Linux   - Windows

TECHNICAL SKILLS

- OOPS
- Data Structure and Algorithms
- Cloud Computing
- Machine Learning
- 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-Founder of "CODE-SPACE" a Programming Club.
- Anchor of the cultural show for three consecutive years
- Captain of CST Kabaddi team.
- Member of a DOT students' committee for three successive years and Head of Training and Placement Committee for final year.