

Tushar Deshpande

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EDUCATION

Virginia Tech

Masters Computer Engineering

Blacksburg, VA

Aug. 2024

Pune University

Bachelor's in Computer Engineering

Pune, India

Aug. 2015 – May 2019

EXPERIENCE

Senior Consultant - Software

Jan 2023 – July 2024

Hitachi, Ltd

Pune, MH

- Led multiple global Workday projects, ensuring on-time delivery and perfect execution. Lead for the global LMS Implementation project which on boarded around 600+ companies and 300K employees.
- Executed advanced Workday functionalities, including custom data integrations that now support data processing for 150K+ employees; streamlined workflows, leading to improved user satisfaction scores and reduced onboarding time by 20%
- Worked with cross-functional teams to design and implement customized Workday solutions, resulting in a 40% reduction in manual processes.
- Provided expert advice on Workday best practices, optimizing HR processes by 20% and overall system efficiency for 10+ companies.
- Managed and mentored a team of 3 professionals, providing guidance and support in technical and professional development.
- Conducted training sessions and workshops for 10+ junior team members and other stakeholders, fostering a culture of continuous learning and development.

Consultant - Software

July 2019 – Dec 2022

Hitachi, Ltd

Pune, MH

- Worked on 8+ full cycle implementations for diverse clients ensuring successful deployment and outcomes across different industries.
- Implemented robust Workday integrations with a focus on data flow optimization; achieved a 30% reduction in processing errors, directly benefiting reporting accuracy and decision-making across the organization. Was awarded as one of the best automation for that business purpose.
- Hands on experience in different modules like HCM, Absence and Time Tracking, Payroll, Compensation, Recruiting
- Coordinated with teams across functions to design and deploy 5+ custom Workday solutions tailored to specific business needs.
- Created 25+ advance reporting solutions for senior management to view which created the analytics pipeline.
- Developed a Q&A Chat Bot application that provided answers to user's queries. It was designed using AWS QnA Maker, Redis Cache, Node JS, .NET and C#.

PROJECTS

HF Detection using Deep Learning | *Python, Flask, React, PostgreSQL, Docker*

Dec 2018 – May 2019

- Engineered a full-stack web application using with Flask, Python, HTML, CSS and Vanilla JavaScript.
- We implemented 4 key modules: HR detection, sub-type classification, severity measurement, and adverse event prediction, improving diagnostic accuracy by 20%.
- Trained a custom CNN for HR detection using pathological results, achieving a 92% accuracy rate using pathological results. Used SVM and Linear Regression for 50% of the other modules, thereby enhancing overall diagnostic prediction.
- Managed a database of over 1000+ records using SQL, with the infrastructure ready for cloud scalability to handle up to 1 million records.

TECHNICAL SKILLS

Languages: C++, Python, Java, SQL (MySQL), JavaScript, HTML/CSS, R

Frameworks: React, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI

Developer Tools: Git, Docker, AWS Cloud Platform, VS Code, Visual Studio, PyCharm, Eclipse

Libraries: Pandas, NumPy, Matplotlib, Tensorflow

AWARDS

Quarterly Award - HITACHI - Awarded for multiple successful project executions

Night of the Town Award - HITACHI - Awarded for successfully executing the Global LMS project and leading it

Monthly - HITACHI - Awarded for one of the best automations

PUBLICATIONS

HF Detection System - System to detect heart failure

Review of DL techniques in prediction of HF - DL Techniques used for HF Detection.