

Shivam Sunil Bhosale

(226) 758-6727 sunilbh@uwindsor.ca <https://www.linkedin.com/in/shivambhosale/> Windsor, Ontario, N9B 1J5

Technical Skills

- Languages: Python, R, Java, C, C++, HTML, CSS, JavaScript
- Data science and analysis: Machine Learning, Neural Networks, Deep Learning, NLP, Data Mining,
- Database Management: SQL, MongoDB, Hadoop
- Frameworks: TensorFlow, Keras, Scikit-learn, Pandas, NumPy, Matplotlib, SciPy, PySpark,
- Tools/Methodologies: Azure, AWS, Excel, Tableau, Power BI, Git, JIRA, Slack, Scrum, Agile
- Operating Systems: MacOS, Windows, Linux

Education

Master of Applied Computing Sep 2022 - Present

University of Windsor • Windsor, ON

- Relevant Coursework: Introduction to Artificial Intelligence, Advanced Database Topics, Advance Software Engineering

Bachelor of Technology Computer Science Engineering Jun 2017 - May 2021

SRM Institute of Science and Technology • Chennai, India

- Relevant Coursework: Machine Learning, Database Management Systems, Discrete Mathematics, Advanced Calculus

Academic Projects

Agri-Optima - Django based AI powered web application Sep 2023 - Nov 2023

University of Windsor, Windsor, ON

- Developed an AI-powered web application towards the internship project
- Applied deep learning algorithm such as CNN for image analysis of plant and soil
- Performed machine learning techniques to predict crop yield
- Hosted the application leveraging as Django as backend framework

Swastha - Health Monitoring System Sep 2022 - Dec 2022

University of Windsor, Windsor, ON

- Led a group of 4 members and developed the application leveraging Flutter framework for cross-platform compatibility on Android 11 and above, as well as iOS 11 and above
- Designed an application dashboard offers visualizations and filters for easy Covid19 data tracking and analysis
- Utilized MongoDB for storing the data and created a web interface using Javascript

Jerry Token Farm - A Blockchain based DeFi Application May 2021 - Jun 2021

SRM Institute of Science and Technology, Chennai, India

- Created a Blockchain based Decentralized Financial Application made using Ethereum smart contract allows users to led 'mDAI' coins and earn Jerry tokens as reward for lending
- Published the project paper in International Research Journal of Engineering and Technology

Plant Leaf Disease Detection - Convolution Neural Networks Jan 2021 - May 2021

SRM Institute of Science and Technology, Chennai, India

- Collaborate with a team member to build a plant leaf disease detector using CNN, was tested to an accuracy of 98%
- Devised the project leveraging Python frameworks - TensorFlow, Keras and Scikit-learn

Certificates & Technical Training

IBM Data Science Professional Certification

Coursera

- Studied and worked around different tools for Data Science
- Performed data analysis and visualization techniques on various datasets
- Constructed and deployed ML models using both unsupervised and supervised learning

DeepLearning.AI TensorFlow Developer Professional Certification

Coursera

- Designed and trained neural networks to work on variety of dataset including real world text and image
- Trained machines to understand, analyze, and respond to human speech with natural language processing systems

Publications

- "Detection of Diseases in Plant Leaf Using CNN Technique", Eicicn2021 (Conference) https://www.int-jecse.net/article/Detection+of+Diseases+in+Plant+Leaf+Using+CNN+Technique_1892/
- "Jerry Token Farm- A Blockchain Based Decentralized Finance Application", International Research Journal of Engineering and Technology, Vol 8 Issue 5, 2021 <https://www.irjet.net/archives/V8/i5/IRJET-V8I5573.pdf>

Work Experience

Associate

Aug 2023 - Present

Walmart • Windsor, CA

- Provided exceptional customer service, ensuring positive feedback and improved satisfaction scores
- Collaborated effectively with team members to achieve departmental goals
- Managed inventory, restocked shelves, and maintained a streamlined shopping experience

Data Science and Business Analytics Intern

Jan 2021 - Feb 2021

The Spark Foundation • Mumbai, India

- Conducted a wide range of analysis tasks on a weekly basis, encompassing diverse datasets and domains
- Applied advanced Machine Learning algorithms to classify and predict outcomes from raw datasets
- Developed and implemented tailored algorithms to optimize performance and ensure accurate classification and predictions
- Played a key role in delivering comprehensive and insightful analysis, positively impacting business outcomes
- Utilized Microsoft Office tools, including Outlook, Excel, PowerPoint, SharePoint, and Word, to analyze data, create visually appealing presentations, and collaborate on project documentation

Student Intern

Jun 2019 - Jul 2019

IIT Kanpur • Kanpur, India

- Spearheaded the development of a autonomous bot using reinforcement learning, playing a pivotal role in its completion
- Utilized expertise in robotics and artificial intelligence to design and implement key components of the self-driving bot
- Integrated a variety of IoT devices and sensors into the autonomous bot, enabling real-time data acquisition and analysis to drive intelligent decision-making