Vishnu Ghosh

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https://www.vishnughosh.com/
(Available for work from 09 Jan 2023)

EDUCATION

Master of Science in Data Science, University at Buffalo, (August 2021 – Present)
- GPA: 3.96/4.0
- Relevant Coursework: - Machine Learning, Reinforcement Learning, Statistical Learning using R, Data Model and Query Language, Probability, Python Programming

Bachelor of Engineering in Electrical & Electronics Engineering, Vishweshwaraiah Technological University, India, June 2014 (Score – 73.78 %)

PROJECTS

- **Reinforcement Learning Autopilot Learning to Take-off** – Autopilot Agent Learning to take-off using real simulation of Airbus A320. Implemented Double Deep Q-Network (Double DQN) using PyTorch as the RL method for training. Demo - https://youtu.be/8MfMkVNCZBY
- **Ethereum Fraud Detector** – Classifying and Flagging Ethereum Transactions as Fraud or not using different machine learning models in sklearn.
- **Electric Vehicle Sales Analysis** – Analyzing the relationship between installation of charging ports and the sales of EVs in US states using Geo-Plotting and predicting sales using Time Series Analysis.
- **Probability Visualizer** – A React Web Application for simulating and viewing various Probability Distribution. (Demo - https://math.vishnughosh.com/)
- **AR Cabin** – An Augmented Reality App which scans and measures a bag using AR Library and identify if it will be allowed as a cabin luggage. Demo- https://www.youtube.com/shorts/oLMtveSEST8

SKILLS & TOOLS

Languages: Python, R, C#
Data Management & Analytics: Postgres, MYSQL
Web Development: ReactJS, JavaScript, HTML
Tools: Jupyter, PyTorch, R Shiny, Docker, Unity3D

WORK EXPERIENCE

Software Engineer, Goibibo/MakeMyTrip, Bangalore, India: September 2019 – August 2021
- Worked as a Frontend Engineer
- Developed React web applications from design to deployment.
- Deployed Mobile app features using React Native.
- Improved the Home Page Web Performance from ~40% to ~80% (Google Lighthouse score).
- Assisted in Search Engine Optimization by making CRON jobs using python Airflow framework which improved the ranking to 2nd in Google Search Results.
- Collaborated with the product team on new features and implemented AB testing on new releases

Software Architect for Robotic Process Automation, Shell Networks, Hyderabad, India: July 2019 – September 2019
- Automated Business Operations using UIPath

Unity 3D Developer, Indie Game Developer, Bangalore, India: September 2017 – June 2019
- Developed and published Games in iOS as well as Google PlayStore.
- Integrated various APIs like Facebook Analytics, Ads networks (Admob & unity ads), In-app purchase packages, GameAnalytics & Unity Analytics.
- Apple Appstore Developer Page - https://apps.apple.com/us/developer/vishnu-ghosh/id1376530593

Software Engineer, Tech Mahindra Pvt. Ltd., India: Dec 2014 – September 2017
- Java web Developer