

Swapnil Jagtap

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EDUCATION

ITM Baroda University

Bachelor of Engineering in Computer Science

Vadodara, Gujarat

Aug. 2016 – Aug 2020

Kendriya Vidyalaya

Senior School Certificate (Computer Science)

Vadodara, Gujarat

Aug. 2015 – May 2016

EXPERIENCE

Data Engineer

Tata Consultancy Services

January 2021 – Present

Pune, Maharashtra

- Developed Views&Tables which are being consumed in Tableau for Business Analysis
- Created ETL Services for loading data into the Views&Tables in an hierarchical manner
- Development platforms: *Snowflake, HANA Studio*
- ETL tools: Informatica Intelligent Cloud Services (*IICS*), SAP BO Data Services (*BODS*)
- Working on migrating Database from one platform to another
- Unit testing the objects before production deployment
- Documenting the workflow for future projects
- Working in an Agile and CI&CD environment
- Daily Scrum meetings to discuss the hurdles faced and the targets to be achieved

Academic Internship

IIT Indore

Indore, UP

- Explored current challenges faced in computing an AI opponent in games and how Machine Learning proves beneficial in solving these challenges
- Developed a Reinforcement Learning model on abstract strategy game Tic-Tac-Toe.
- Contributed to a codebase via Git

PROJECTS

storeRestAPI | *Python, Flask, REST API, PostgreSQL, Postman*

- Developed a REST API using Flask as a server
- Implemented database using PostgreSQL
- Implemented user Authentication through FLASK-JWT
- Used Postman for testing the API
- Maintained the code throughout development via Git

Reinforcement Learning On Simple Strategy Games | *Python, Git, TensorFlow, Keras, NumPy*

- Developed a skeletal code for Tic-Tac-Toe, Connect4 game
- Developed the reinforcement learning agent
- Implemented the reward system for the model
- Generated game data by playing random games, for the agent to learn from

Reinforcement Learning On Games Using Gym-OpenAI | *Python, Git, TFlearn, Matplotlib, Gym*

- Implemented reinforcement learning on mountain car game
- Implemented reinforcement learning on cart-pole balance game

Simple Telegram Bots | *Python, Telebot, Youtube-dl, AWS, Heroku*

- Lets you download a .mp3 version of your favourite youtube music video
- Interactions with user: Returns a joke based on keyword, returns TTS for given input

TECHNICAL SKILLS

Languages: Python, C/C++, SQL, Java, HTML/CSS

Platforms: Linux, Snowflake, AWS, Heroku, IICS, SAP HANA, SAP BODS

Developer Tools: Git, Amazon Web Services, VS Code, Visual Studio, Sublimetext, Eclipse

Libraries: TensorFlow, Keras, NumPy, Matplotlib