Utsav Avaiya

✉ avaiyautsav@gmail.com   📞 9082488244   📍 L-45/304,Poonam Sagar Complex, Mira Road (E), Thane-401107

Education

B.Tech in Computer Engineering — 2021 – present
Sardar Patel Institute of Technology — Mumbai, India

12th — 2021
SVP Junior College [95.5%] — Mumbai, India

10th — 2019
Shanti Nagar High School [92.4%] — Mira Road, India

Skills

- Languages and Framework : Python, C, Java, SQL, HTML, CSS, JS, ReactJS
- ML Libraries : NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn, TensorFlow, OpenCV
- Tools : Linux, Jupyter Notebook, VS Code, Canva, AutoCad, Adobe Photoshop

Projects

Research Internship - Traffic Management using Reinforcement Learning — Sep 2023 – present
Dr. Sudhir N. Dhage, Professor and Dean of administration (S.P.I.T)
- Conducting research to optimize urban traffic management systems using reinforcement learning.
- Developing an adaptive TSC system capable of real-time adjustments to address dynamic traffic patterns thus reducing congestion and maximizing intersection throughput.

DataWiz — Sep 2023 – present
- Developing the AGM File Management Application, a transformative corporate governance solution.
- Facilitates seamless AGM document management, data insights, and data-driven decision-making.
- Tech stack : OpenAI, Langchain, ReactJS, Firebase and Flask.

Face Emotion Detector — Oct 2023
- Build a CNN based model for emotion detection using image classification
- Tech Stack : TensorFlow, Python, OpenCV, Matplotlib

Insight Therapy — Jan 2023 – May 2023
- Designed and developed a Mental Health website that offers self-help tools and resources.
- Features : Serving Meditation and books, Booking yoga sessions, Promoting community support through Blogs, Customer feedback.
- Tech Stack : ReactJS, Node, MongoDB

2*2 Rubix Cube Solver — 2022
- Developed a 2*2 Rubix cube solver using data structures and web development.
- Tech stack : Queues, Ortega Method, HTML, CSS, JS

Courses

Machine Learning Specialization — Sep 2023 – present
Stanford University and DeepLearning.AI

Organizations

F.A.C.E [Forum for Aspiring Computer Engineers], S.P.I.T — Aug 2023 – present
Vice Chairperson
- Assisting all technical and non-technical activities, overseeing the participation of over 500+ students and leading the subcommittee.

General Championship [1st Position] — Mar 2023 – Apr 2023
Captain of the CE department
- Led and coordinated teams of over 140 students to achieve academic and extracurricular excellence, fostering a culture of innovation and achievement.

IPL Auction [Oculus-2023] — Feb 2023 – Mar 2023
Deputy Head of Operations
- Managed and hosted 300+ participants from all over India for the auction and designed the team T-shirt using Adobe Photoshop.