GAURAV H MANMODE

Roll No : 23MAC2R08
Mathematics and Scientific Computing
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ACADEMIC QUALIFICATIONS

National Institute of Technology, Warangal
M.Sc in Mathematics and Scientific Computing
CGPA: 7.79

Warangal, Telangana
2023-25

Fergusson College, Pune
B.Sc. in Mathematics
Grade: B+

Pune, Maharashtra
2022

Jawahar Navodaya Vidyalaya
Higher Secondary – CBSE
Score: 91.4 %

Wardha, Maharashtra
2018

Jawahar Navodaya Vidyalaya
Secondary – CBSE
Score: 94.6 %

Wardha, Maharashtra
2016

PROJECTS

- **Autonomous Driving System for ETS2 using CNN**
  Built and trained an end to end CNN model over the game Euro Truck Simulator 2. The dataset was close to 72 hours of driving. The input layer is screen capture of the front camera, label is steering angle. Real-time inference is done using a virtual joystick driver in ubuntu.
  Tools and Technologies used : kerasi, opencv, PIL.   *link*
- **Japanese sentimental analysis**
  Classify japanese text into positive/negative class (showing sentiment of the speaker). I used janome to tokenize the text. LinearSVC classifies text into two classes (positive/negative) , trained the model using hand made training data.
  Tools and Technologies used : scikit-learn, janome   *link*
- **Portfolio website with Github pages**

TECHNICAL SKILLS

- Programming languages   C/C++, Python
- Software frameworks   Visual Studio, Intellij Idea
- Tools   Vim
- Cloud frameworks   Azure VMs

COURSES UNDERTAKEN/ONGOING

- Data Base Management Systems
- Object Oriented Programming with C ++
- Cryptography
- Introduction to Machine Learning

EXTRA CURRICULAR ACTIVITIES

- Cleared the JLPT (Japanese Language Proficiency Test) N1 (July 2020) and acquired JLPT N1 certification.
- Participated and achieved second rank in the National level Mathematics Exhibition at Gandhinagar.