# Personal Projects

- 1. Web page Gallary
- 2. English Vocab Quiz
- 3. Graphics Algorithms and Computer Games
- 4. Visualisation of algorithms
- 5. eCommerce (PHP) Internshala
- 6. Neural Network and Computer Vision
- 7. Delhi Metro App (old archive)

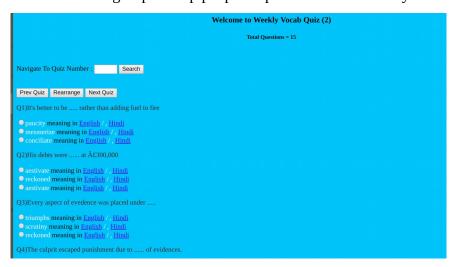
### 1. Web page Gallery

Build web page using C++: not aware of existence of languages like PHP and JavaScript for dynamic web pages due to difficulty in the internet accessibility at school and home. (Class XII - December)



# 2. English Vocab Quiz

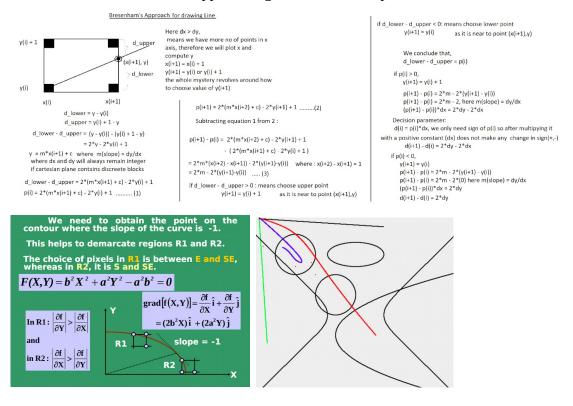
Created for Facebook group to help people improve their vocabulary.



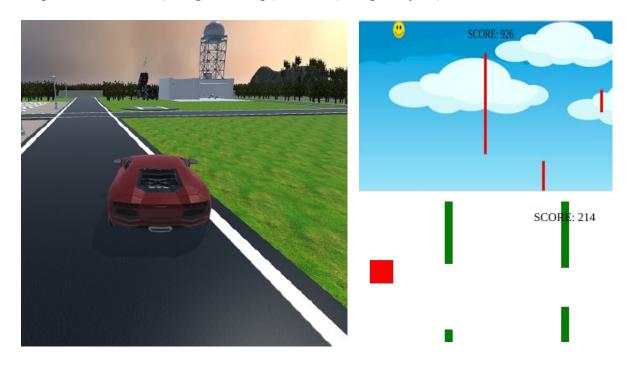
# 3. Graphics algorithms for Hyperbola, Parabola

Derived, Invented and implemented algorithms using first order mid point approach and partial differential equations after taking inspiration from ellipse drawing algorithm.

\* Later turned out as not useful approach against Bézier, B-Splines curves.

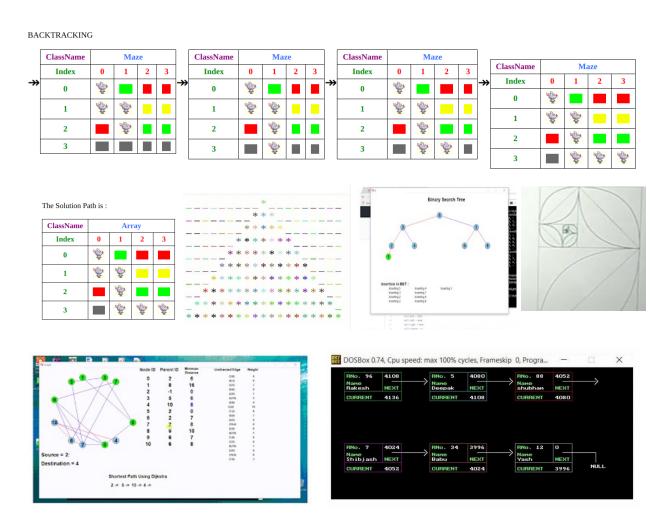


Computer Games: 2D (Using JavaScript) and 3D (Using Unity3D)

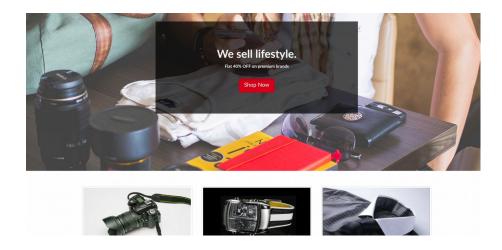


# 4. Visualisations of algorithms

# Visualize JS (JavaScript+HTML), C++ Linked List (GUI), Python (Graphs, Trees)

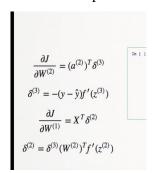


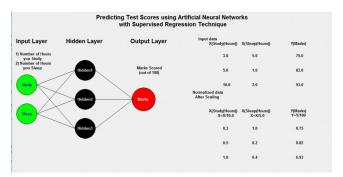
# 5. eCommerce (PHP) Internshala Assignment



#### 6. Neural Network:

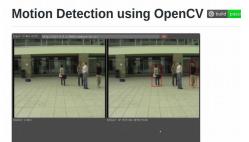
Derivation and implementation of Neural Networks from scratch.



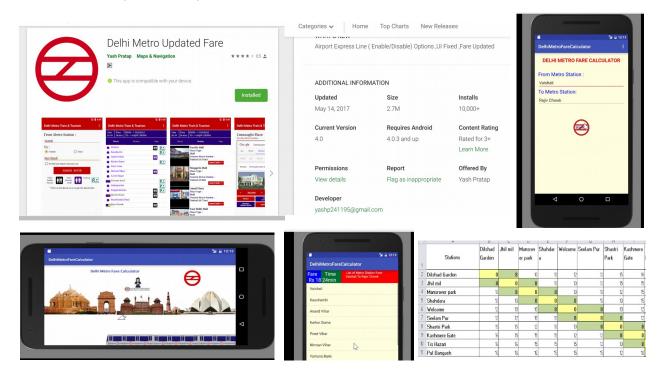


## Computer Vision





# 7. Delhi Metro (old archive)



A lot more quick projects done in order to explore computer science