

Prateek Mohan

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Education

AECS Maaruti Magnolia Public School

12th – 92%

The Oxford Senior Secondary School

10th – 80%

Pes University

CGPA- 7.87

SKILLS and Achievements

- C
- Python

- Php
- JavaScript
- HTML5
- CSS3
- MySql
- JQuery
- Bootstrap
- Head of Microsoft Student Club – WEB division
- Got selected in an internship over 400 other candidates
- Won RV hackathon

Projects

1. CCBD

(June 2017 - present)

- Working on making a device for fetal monitoring.
- Aiming to publish a research paper by September end.
- Device works on sound extraction from the womb.
- Used python to extract fetal and mother's heart beat and also fetal kicks and body positioning.
- Worked on Python, matlab, C
- Working on making a pro active feature that uses Machine Learning to keep track of the health of mother and fetal and predict the outcome and also solutions to avoid them.
- Finished product to be used by St. John's Hospital.
- Skills Learned –
 - Python
 - C
 - Microprocessor
 - Sound Extraction

2. Smart India Hackathon

(March 2017)

- Got selected in for the first round in all over India. Worked on making a Tourism app that had features like
 - Google Maps
 - Augmented Reality
 - Virtual Reality
 - Profiles
- Skills Learned –
 - Web VR
 - Web AR
 - Google Maps
 - DBMS

3. POI-along the route

(May 2016)

- this project is basically a program that will let you find place of interest nearby your route, addition to a Google map that finds your location near by your location
- implemented using own algorithm
- Link - <https://github.com/prtkmhn/POI-along-the-route>
- Skills Learned –
 - Algorithm
 - Google Maps
 - Routing Algorithm

4. Terrain Maker

(April 2017)

- made a terrain maker using web animation with WEBGL using three.js
- Three.js

- Allows user to add and remove terrain with the option to add objects and water to make simulation.
 - Made for using as a simulation for geography classes in School
 - Link - <https://github.com/prtkmhn/TERRAIN-MAKER>
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- Skills Learned –
 - Three.js
 - WebGL
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5. Web VR

(April 2017)

- A full fledged website made totally with Three.js and html5, JavaScript
 - Can be played on any device and makes it portable
 - Link - <https://github.com/prtkmhn/WEB-VR>
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- Skills Learned –
 - Three.js
 - WebGL
 - WebVR
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6. Word Game with Data Structure

(January 2017)

- Used data structure to make a word game
 - Uses Data Structure like array, head to make a word game with $O(n)$ time
 - Link - <https://github.com/prtkmhn/word-game-with-data-structure-and-web>
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- Skills Learned –
 - Data Structure
 - C

7. Routing Algorithm simulator

(January 2017)

- Used python With Open Street Map to simulate different routing algorithm
- Used different routing algorithm like A*, dijkstra's.
- Skills Learned –
 - Data Algorithm
 - Python
 - Open Street Map
 - OSM to SQL Conversion

8. Automated Crane

(March 2016)

- Used Arduino to make an Automated Crane
- Added Functionality to it using C
- Skills Learned –
 - C
 - Arduino

9. MIDI Device

(March 2017)

- Used Arduino to make an Midi device
- Added Functionality to it using C
- Could play any music , any instrument using one device
- Skills Learned –
 - C
 - Arduino

10.RV Hackathon

(September 2016)

- Made a medical robot for army with live VR feed. Got Awarded third price
- used camera feed to make it VR
- Image Recognition
- Access from Android

- Skills Learned –
 - C
 - Arduino
 - Python

Internships

11.Quiklo

(June- august 2016)

- Worked on Google Maps.
 - Made an Algorithm for finding POI along the route before Google.
 - Worked on making the system for verification of the customer using complex algorithms and location based queries.
 - Worked on JavaScript and Google api
 - Skills Learned –
 - JavaScript
 - Api- integration
 - Html5
 - Css3
 - Routing Algorithm
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12.Audience Sutra

(June- august 2017)

- Worked on making a survey building Site, which allows both creating and filling in forms.
 - Made scripts in php, which allowed quick and stable system.
 - Worked on styling the website and JavaScript to make the websites stable.
 - Worked on PHP, Javascript,HTML5, CSS3,Jquery, Bootstrap, MySql
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- Skills Learned –
 - JavaScript
 - PHP
 - Html5
 - Css3
 - MySQL
 - Bootstrap

Hobbies

- Art
- Football
- Socializing
- Running
- Ethical Hacking
- Hardware