

Animesh Sahu

PERSONAL DETAILS

<i>Birth</i>	November 3, 1997
<i>Address</i>	1658, Saraswati colony,Jabalpur
<i>Phone</i>	+91 9652439874
<i>Mail</i>	animesh.sahu@research.iiit.ac.in

EDUCATION

B.Tech + MS in Electronics and communication	2016-2021
<i>International Institute of Information Technology, Hyderabad</i>	
Senior Secondary	2013 - 2015
<i>Maharishi vidya mandir, Jabalpur, 90.2 percent</i>	
Secondary	2015
<i>Maharishi vidya mandir, Jabalpur, 10 CGPA</i>	

WORK EXPERIENCE

Honors Research:	2018-present
<i>Robotics Research Centre</i>	
Honors student under Prof. Madhava Krishna, working on Indoor Autonomous Drone	
Teaching Assistant:	2019-present
<i>Electronics Workshop 2</i>	

PROJECTS

Socket Programming	2019
<i>A file sharing protocol similar to Dropbox with support for download and upload for files and indexed searching. Python3</i>	
Tunnel rush	2019
<i>A WebGL game in which user can go through ever-changing tunnel packed with all kinds of obstacles. .Javascript, HTML</i>	
E-commerce Website	2019
<i>An E-commerce website built using Django Frame work. HTML, CSS, python3, Django</i>	
Text Analyzer	2018
<i>A tool for analyzing text data in Django backend, a simple django project or website in which we can Analyze text. Python3 , Django</i>	
A Race Car game	2018
<i>A race car game built using pygame. python3 , Pygame</i>	

Python Scripting

2017

Wrote python scripts to imitate random walk problems in vmd.

Tic Tac Toe Bot

2017

*An AI based Tic Tac Toe bot which uses min-max algorithm to ensure the fastest victory possible. **Artificial Intelligence, C++.***

Mobile Robot Path Planning

2017

*Given start and goal points of the robot, the path of the robot will be found by the polynomial equation of the curve in a 2 dimensional environment. **Python, C++***

Empirical Mode Decomposition

2017

*Empirical mode Decomposition of Signal for Instantaneous Frequency using Hilbert Huang Transform. **Matlab.***

Obstacle Avoiding Bot

2016

*-A bot prototype which avoids obstacles in it's path and changes it according to the requirements. **Arduino, C(embedded), Circuit Designs.***

SKILLS

Languages	C,C++,python,GNU/Linux(Bash),Django,Flask HTML5,CSS3
Software	MATLAB, L ^A T _E X, VLSI DESIGN, MICRO-CONTROLLERS

RELEVANT COURSEWORK

Computer Science and Mathematics

2016-Present

Data Structures and Algorithms, Computer System Architecture, C, IT Workshop(1 2), Time Complexity Analysis, Graph Theory, Linear Algebra, Probability and Random Processes, Computer Networks ,SMAI ,Computer Vision, Mobile Robotics

Electronics

2016-present

Signals and Systems, Digital Signal Processing, Embedded Hardware Designs, Digital Logic and Processors, Electronic Workshop(1 2), Linear Electronic Circuits, Electromagnetic Theory and applications, Electronics workshop 1 and 2, Mobile robotics

WORK SAMPLES

<https://github.com/animeshsahu80>