

Kukunuri Sai Venkata Ratna Rithwik

Third Year Undergraduate
Department of Computer Science and Engineering

kukunuri.sai@iitgn.ac.in
+91 7433064232

Education

Degree	Institution	CPI/ %	Year
B.Tech	IIT Gandhinagar	7.5	2016 - Present
Class XII	Narayana College, Vijayawada	96.9	2015-2016
Class X	Narayana School, Vijayawada	9.7	2013-2014

Internships

- **Super Resolution of Images using Deep learning, IIT Gandhinagar** [May 2018 - July 2018]
Prof. Ravi Hegde
 - Created new methods for Super Resolution of Images.
 - Investigated many state of the art methods and tested them in Python.
 - Explored Deep Neural Networks and Generative Adversarial Networks.
- **Automatic Number Plate Recognition System, Krishna's Software Technologies** [May 2017 - July 2017]
 - Developed an application for Automatic Number Plate Recognition System.
 - Learnt about the importance of Open Source and several key techniques in Image Processing.
 - Created an OpenCV based Vehicle Counter and Velocity Approximator.

Projects

- **Hand Gesture Controlled Chrome Dinosaur Game**
 - Successfully created an Image Processing based application to detect hand motion for controlling the dinosaur.
- **Web Development, Amalthea, IIT Gandhinagar**
 - Created a Website for Amalthea, The Annual Technical Summit of IIT Gandhinagar.
- **Sudoku Solver**
 - Created a Python based application to solve sudoku in minimum time.
 - Used advanced Data Mathematical Techniques to solve Sudoku.
- **Courier Services**
 - Created an application for IIT Gandhinagar which can notify the students about their Couriers.
- **Verilog Snake**
 - Created the Classic Snake Game using Verilog Programming.

Technical skills

- **Languages:** Python, C, C++, Octave, Matlab, Verilog etc.
- **Tools:** Autodesk Inventor Professional, Latex etc.
- **Web Technologies:** Bootstrap, Django, PHP, HTML, CSS.
- **Modules:** Sklearn, Tensorflow, OpenCV, Pandas, Numpy, Keras.

Positions of responsibility

- Secretary, Metis, Coding Club, IIT Gandhinagar
- Mentor, Metis, Coding Club, IIT Gandhinagar
- Coordinator, IGNITE, IIT Gandhinagar
- Exhibition Member, Amalthea, IIT Gandhinagar