

YASH VORA

6th Semester
Bengaluru
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EDUCATION

RNS Institute of Technology B.E. Computer Science <i>GPA: 7.68 (Ongoing)</i>	Bengaluru 2016 - 2020
Udacity Professional Education, Computer Vision	Remote 2018 - 2018

SKILLS

Programming Languages:	C, C++, Java, HTML, L ^A T _E X
Database:	MySQL, SQLite, NoSQL
Scripting and Version Control:	Python, Shell, Git
Tools:	Jupyter Notebooks, Eclipse, AWS Lambda, AWS EC2, Amazon Alexa, ROS

PROJECTS

Facial Keypoint Detection *OpenCV, PyTorch, Numpy*

I created a facial key point detection model. This model was then integrated into a full pipeline that takes an image, identifies any faces in the image, then detects the key points of those faces.

Logic Gate Simulation w/ Conway's Game of Life *Python, Tkinter*

I created a visualisation of Conway's Game of Life Automaton on Tkinter GUI interface. The Automaton was then used to create a non-binary automaton to create logic gates.

Monopoly Master *AWS Lambda, Alexa Skills Kit, Python* <https://amzn.to/2TRYkJ4>
A VUI based Amazon Alexa Skill developed with the intention of creating a voice-based assistant to the original Monopoly Game.

Simultaneous Localization and Mapping *C++, ROS, Python, OpenCV, OpenGL*

I created a prototype of a mobile 4-wheel differential drive robot with an Extended Kalman Filter to filter noisy observations from sensors. The algorithm also involved implementation of Object Tracking and Object detection for key-point detection.

ACHIEVEMENTS

- Secured 1st place in departmental Project Open-House Presentation in 2nd and 3rd year. (PROP '18, PROP '19)
- Monopoly Master surpassed 3000+ unique users in US Alexa Store.

FIELDS OF INTEREST

- Scripting, AI, Computer Vision, Automation, Robotics.

STRENGTHS

- Positive Attitude, Gregarious, Hardworking, Goal Oriented.

INTEREST AND HOBBIES

- Solving puzzles, mentoring.