

# Suvrat Jain

• Kissimmee, FL 34741 • suvratjain101@gmail.com • (407) 426-4430 •

Portfolio: <http://suvratjain.com>

## Education

University of Central Florida, Orlando, FL

December 2019

Major: Bachelor of Science in Computer Engineering

GPA: 3.7

Minor: Intelligent Robotic Systems

Relevant Coursework:

- Completed: Computer Science, OOP, Operating Systems, Computer Architecture, Embedded Systems
- Currently Enrolled: Electronics 2, AI for Game Programming, Introduction to Robotics, Computer Networks

## Skills

| Programming Languages | Software Tools       | Hardware Tools | Spoken Languages | Other               |
|-----------------------|----------------------|----------------|------------------|---------------------|
| Java                  | Git/GitHub           | Raspberry Pi   | English          | Data Structures     |
| C/C++                 | Terminal             | Arduino        | Hindi            | Algorithms          |
| Python                | Unity (Game Engine)  | MSP 430        | Punjabi          | Computer Networking |
| Go                    | Eagle CAD            | Atmel          | Spanish (Basic)  | Electrical Networks |
| Bash                  | Multisim             | Soldering      |                  |                     |
| Assembly              | Code Composer Studio | Oscilloscope   |                  |                     |

## Professional Experience

Universal Creative (Orlando, FL) – Engineering Intern

August 2018 – Present

- Implementing non-GPS navigation system for UAVs by reengineering the onboard computer
- Making test plans for R&D purposes and documenting the strengths and limitations of the system
- Developing and maintaining vendor relations by organizing meetings and keeping up with project development
- Presenting the project to Universal's creative team to discuss the potential use of this technology in the parks

PraxSoft Inc. (Orlando, FL) – Assistant Engineer

May 2017 – November 2018

- Worked with wireless sensors and embedded controllers for commercial and R&D applications
- Tested and Troubleshoot sensors and PCBs using analysis tools such as Terminal and Electrical Schematics
- Conducted data analysis and generated technical reports that were turned in to FDOT
- Maintained strong customer relations by providing quick feedback and assistance when required

## Projects

Android App – Project Manager & Software Developer

June 2018 – August 2018

- Designed a Rock Paper Scissors Android app that supported multiplayer gaming sessions
- Configured a full LAMP stack on a Raspberry Pi to use it as a server for deployment
- Organized the project and delivered an investment pitch for class presentation

IEEE PES Water Analogy of a Circuit – PCB Designer

February 2018 – May 2018

- Determined the required components to demonstrate the theory of an electrical network using water
- Designed the layout of the sensor placement and integration using custom designed PCB & Raspberry Pi
- Collaborated with the team on a weekly basis to monitor the development of the project

## Campus Involvement

Tau Beta Pi Engineering National Honor Society – Secretary

IEEE PES – Member