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Saransh R. Gupta

saransh44.github.io

 saransh44

EDUCATION

New York University, Brooklyn, NY   CS Senior (Paused)
B.S. Computer Science
Relevant Coursework: Computer Architecture, Data Structures & Algorithms, Object-Oriented Programming, Intro To Web Design
Achievements and Honors: Beta-Developer for FTC, Control Award Nominee (Top 6 in World) for Best Programming at 2016 FIRST Robotics World Championships, Lead RobotC Instructor at various FIRST Robotics Statewide Conventions, Say Watt Robotics World Qualifiers (2011-2016), MS PowerPoint Certification from Microsoft, AP Scholar with Distinction, Dancer Performer at Disneyland Paris, Dance Performer at Lincoln Center, Dance Performer at Carnegie Hall

SKILLS

Software Languages: C++, CSS(novice), HTML, Java, JavaScript, Python, Swift (novice), Unity's C#, XML, x86 Assembly(Comp Arch)
Software/Packages: Adobe Suite, JS's Ajax, Android Studio, Arduino IDE, Audacity, Dev-C++, FireBase, Flask, GitHub, Google SketchUp, Microsoft Office, MySQL, NetBeans, OpenGL, Python's mySQLdb(C API Wrapped), RobotC, Unity, VMware WorkStation, WordPress, XCode
Hardware: Arduino, Dremel, Hand Mill, Laser Sight Drill, Heat Gun, Oculus Rift S, MakerBot 3-D Printer, Myo, Soldering Iron
Other Skills: Babysitting, Woof Walking, Ultimate Frisbee, Board Games, Hip-Hop, Bhangra, Bollywood Dance, Hindi (fluent), Spanish (novice)

PROJECTS

Arduino VR Proof of Concept (Unity3d, Unity C#, Oculus Rift S)   July 2020 –September 2020
- Multiple environmental displays based on Arduino sensor input
- Research Project under NYU's CS Department

Horror Maze VR Game (Unity3d, Unity C#, Oculus Rift S)   July 2019 –September 2019
- An easily downloadable unity VR Horror project for rapid development/testing for other devs
- Readme guide on troubleshooting, maintaining, and repairing Oculus and corresponding Unity Scripts(Win 10)

AdoptAPet Sample Site (HTML, CSS, JS)   Summer 2018
- [Doggos For Adoption (saransh44.github.io/puppy-website/index.html)](saransh44.github.io/puppy-website/index.html)
- Scalable to most screen Sizes

Lynx Retail Transactions Platform (Arduino, Google SketchUp, Swift, XCode)   Fall 2017 - Winter 2018
- Created a Lynx module using Arduino Uno with BLE 4.0 encased in 3D printed housing providing payments, participation in loyalty programs, and discount notifications between the consumer and store owner
- Developed a product demo and companion app that can be found on our GitHub repository

PROFESSIONAL EXPERIENCE

Sakkhi, *Sales Support Staff,* Edison, NJ   2016 – Jan 2021
- Communicate deftly with customers in an effort to sell specialty Indian clothing
- Operate sales entries in machines!

SteamWorks, *Teacher,* Edison, NJ   July 2018 - August 2018
- Taught Arduino wearables and Raspberry Pi programming classes
- Supplemented the curriculum with hands-on projects, demos, and presentations

BlueStamp Engineering, *Technical Assistant,* Manhattan, NY   June 2017 - August 2017
- Gave lectures on website design to more than 60 students
- Worked with students during office hours to co-create and troubleshoot their website code

Stanford Pre-Collegiate Summer Institute, *Stanford University,* Stanford, CA   June 2016 - July 2016
- Wrote a research proposal and abstract examining the relationship between construction and soil erosion
- Presented findings to Stanford affiliated professors and Stanford students

Squad Goals Fitness, *Co-Founder and Chief Technical Officer,* Cambridge, MA   July 2015 - September 2015
- Co-founded a smartphone-based exercise-oriented startup through the MIT Launch summer program
- Pitched to New Atlantic Ventures

ADDITIONAL ACTIVITIES

UltraViolets Live! - NYU Inter-Residence Talent Competition, Manhattan, NY   November 2017-Present
Hip-Hop Competitor (Fall Season Every Year)
PlayTest Thursdays, Brooklyn, NY   December 2017-Present(online)
Tabletop Game Developer (2017-Present)
Indianica Dance Academy, Iselin, NJ   September 2004 - 2017
Finale Performer 2006-2017, Featured Soloist (2016)
Say Watt FIRST Robotics, Edison, NJ   August 2011 - 2017
Co-Captain of Software 2014-2015, Captain of Software & Co-Captain of Team 2016 – 2017