

Gursehaj Singh Arora

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CAREER OBJECTIVE

Be capable enough to put a dent in the universe.

EDUCATION

2013-2017	Guru Tegh Bahadur Institute of Technology of Inderprastha University Electronics And Comm. Engineering	64.67 CPI
2011-2013	Springdales Public School High School	82%
2001-2011	Guru Harkrishan Public School Primary School	87.4%

SKILLS

Software & Languages

C	CSS	SKETCH	Adobe Illustrator
C++	JAVA	MIT App-inventor	Android Studio
Python	MATLAB	Fusion 360	Alexa Dev.
Embedded C	OpenCV	3D Designing	Tina TI
PHP	KiCad	Simulink	ROS
HTML	Eagle	Processing	V-Rep

Hardware

Kinect	Arduino	3D Printer
8051	Raspberry Pi	Laser Cutter
AVR	8085/8086	Power Tools
Intel Edison	ESP	Wood Working

EXPERIENCE

Freelancing

August 2016 - Present

Have worked on projects like, Kiosk ticketing system for HDFC, interactive phone displays, IOT enabled magnetic door locks, auto navigation for vehicles, hand recognition on OpenCV, co-working table etc. with companies like TrukNox, The Founders Cafe, AutoNxt etc.

Intern

July 2016 (1 months)Bengaluru

Tessolve Semiconductors PVT. Ltd.
Bench Characterisation and Testing

Intern

June 2015 – July 2015 (2 months)New Delhi

Makers Asylum
Resident Maker

Organiser

Was in Core Team of Annual Technical Fest of College.

Teaching

I take classes on Robotics and MUC's in schools and in organisations where students come to learn.

PROJECTS

- Sprite - Clear Hai ? (Smart Traffic Management and Emergency System)
- Alexa to Boing, (A virtual experience of ATC)
- Posito (Improves the way you sit at your desk)
- Surface (Make any surface smart)
- Gaming Arcade
- 3D Printed Robotic Arm Controlled via Kinect
- Right There(Surrounding Navigation for Blind)
- RaaH(Outdoor Navigation for Blind)
- Autonomous 2D mapping Bot (Major Project)
- Smallest single relay IOT board in market
- Speaker kit for Autodesk
- Autonomous System for India's first autonomous tractor
- Worky - A table for co-working space
- Dot² - An interactive coffee table

ACHIEVEMENTS

- Secured 2nd Position at HackDTU Hackathon
- Secured 3rd Position at Clash Hacks 3.0
- Was one of the 1200 students around the globe selected to attend MHacks at U.Mich.
- Secured 1st position in inter-college Basketball
- Was announced as Society representative of Technical Society of college
- Maintaining a website portfolio for my own projects
- Patent pending for autonomous system for an electric tractor

Fast learner and imbibed with good leadership skills.