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WORK EXPERIENCE

INTERNSHIP EXPERIENCE



Product Designer



Creative Writer



Bibliophile

PROJECTS UNDERTAKEN

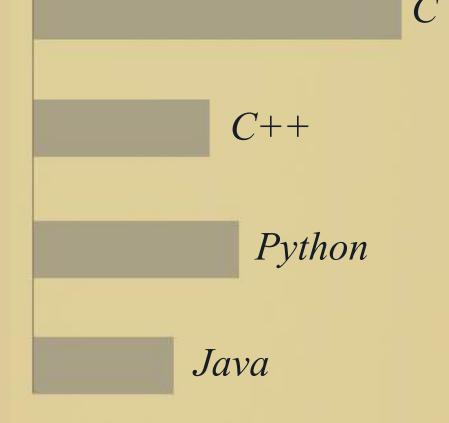
Academic

Non-Academic

Computer Proficiency

OS - LINUX, Windows

</>> Programming Languages-



Web Programming -HTML5, CSS3, JavaScript NodeJS, AngularJS, PHP

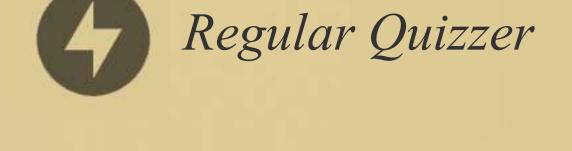
Simulation Softwares -

SolidWorks, SolidEdge, ANSYS APDL & Workbench FLUENT, ICEM CFD, MATLAB, Arduino





POSITIONS OF RESPONSIBILITY



AWARDS & ACHIEVEMENTS



CHANDAN KUMAR SINHA

Mechanical Engineering (Hons.) Class of 2017

Male DOB: 15.03.1996 me13b1009[at]iith.ac.in Indian Institute of Technology, Hyderabad

Examination	University	School/Institute	Year	CPI / %	
Undergraduation	IIT Hyderabad	IIT Hyderabad	2017	7.98/10	
Intermediate	CBSE	D.A.V Pulic School, Koylanagar	2013	96.2 %	
Matriculation	CBSE	D.A.V. Model School, CFRI	2011	10/10	

- Bharat Petroleum Corp. Ltd., Maharatna PSU, Govt. of India June 2017- Present Management Trainee
 - Posted in retail operations. Mainly looked after plant maintenance & automation including field instruments, PLCs and SCADA as Control Room Officer (CRO)
 - Served at two major locations Siliguri (West Bengal; only BPCL location to supply bonded product to foreign location i.e Bhutan) & Balasore (Orissa)
- Center for Healthcare Entrepreneurship, IIT Hyderabad Summer 2016 - 2017 Mentor: Prof. Mohan Raghavan, Biomedical Engg., IITH
 - Responsible for setting up the entire incubation center from scratch. Worked as technical assistant to the fellows for their product development
 - Underwent training at IndioLabs A healthcare startup in Bangalore
- Product Development Intern 3D Printing Using UV DLP Technique Summer 2015 Mentor: Mr. Anubhav Bansal, DreamsInfinity, Delhi
 - Designed and developed a commercial 3D printer using UV DLP technique for a budding Delhi-based startup. Cost minimized by indigenous manufacturing, local procurement of photochemical resin and tweaking parameters for suitability
 - Developed the Arduino code base for motor movement from scratch
 - Sofwares Used: SolidWorks, Creation Workshop (Open Source) with customization

Cinepad V1.0 (Smartphone Cinematography Pod)

Spring 2016-2017

Prof. Karri Badarinath, IIT Hyderabad

- Developed a prototype for an anti-shaking, multi-DOF cinematography pod for smartphones. Portable and ergonomic, it has gooseneck mobile holder for flexibility and mike-stand components for desired translational & rotational motion
- Worked on V2.0 as an electromechanical device for my Hons. Project in the likes of DJI Osmo Mobile & Zhiyun Crane
- Probing The Survival Of Aquatic Ectotherms In Extreme Seasons Autumn 2015 Prof. Nishanth Dongari, Heat & Mass Transfer, IIT Hyderabad

Analytical and CFD analysis of ice formation in lakes during winter & thermal stratification during summer. Modeled lake in ICEM-CFD and studied effects of meshing parameters on final solution obtained using ANSYS-FLUENT.

• Mechanically Automated Periodic Garden Watering System Autumn 2014 Prof. B. Venkatesham, Kinematics & Dynamics of Machinery, IIT Hyderabad

Addressed the problem of dying plants in the absence of caretaker. The mechanism used worm gears for considerable speed reduction, manufactured using 3D printing.

• IIT Hyderabad Student Satellite Project

2014-2015

Head: Shanti Swaroop Kandala (Ph.D Scholar, ME & Aerospace Engg.)

Core member of ADCS (Attitude Determination & Control Subsystem) since the inception of this project. Biggest student undertaken project in IITH.

IBM IoT Hackathon - Bluemix Platform

ELAN 2015, IIT Hyderabad

Spring 2015

Built a real time bus tracking system using Arduino based transceiver and IBM Bluemix cloud platform for app deployment.

• IBM Drone Hackathon - Nvision 2016

Spring 2016

Built Thready - threat detection system using drones. Used Spark Photon for transmitting data. One of the top 5 teams selected for presenting demo.

• Medbuzz - Personalized Healthcare System for Geriatrics

2016-2017

Developed at Startup Weekend Hyderabad, the product is a smart wearable for geriatric monitoring which sends notification in case of fall or degrading health. Facilitated by Dr. Reddy's Lab to further develop the idea.

- Web Coordinator, ηvision 2016, Techno-management Fest, IIT Hyderabad
- Graphic Designer EML IITH & Elektronica (Electronics club, IITH)
- Teaching Assistant, Digital Fabrication Course, Prof. S. Surya, IIT Hyderabad
- Web & Content Manager, TEDxIITH 2015 & Sunshine (Counselling Cell)
- Co-founder: triplou.com a 360 degree travel experience platform.
- Business Simulation Game winner among 30+ teams across entire IITH.
- Won sponsored entry to The Entrepreneurship Summit 2015, IIT Bombay • Won 'Best Director' award for my first shortfilm 'Refaire' at IITH Film Festival 2016

• One of the 15 students selected for i.school Workshop 2016 - Experience Design in India