Aditya
Gadepalli

16 February 1997

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Education

B.E.(Hons.) Mechanical Engineering
BITS Pilani | 2018 | GPA:8.947/10

Class XII
Mahathi Jr College | 2014 | 95.7 %

Class X
Rishi Vid. Gurukulam | 2012 | 10/10

Skills

Languages: C, Java, Matlab, SQL,
Gosu, Basics of R and Python
WebDev : HTML, CSS, JS, JQuery, php
Simulation : Ansys, Comsol, Arduino
Design : ProE, AutoCAD, Solidworks,
Autodesk Alias, Adobe Photoshop
Other: MS Office, JIRA, Git, Adobe AE
Certifications: Oracle Certified
Associate, Java SE 8 Programmer

Extra-Curricular

Co-Founder & Head @ Evolve
- Organized talks & workshops
- Brought the alumni of IITs, BITS,
NITs and industry professionals to
guide students

Graphic Designer @ Designers
Anonymous & Dept. of Technical Arts
- Taught design softwares to students
- Designed content to publicize fests

Event Manager @ BITS Embryo
- Organizer of conclave forums & talks
- Handled logistics & pitched speakers

Volunteer @ NSS & Nirmaan NGO
- Created jobs for rural women
- Co-organized Cyclone relief
fund-raiser, cleanliness drives &
taught rural school kids

Class Committee representative &
Teaching Assistant for the courses
Production Techniques & Human
Resource Development

Work Experience and Internships

Since Aug'18	Senior Analyst	Capgemini, Hyderabad
	Building a Rating Engine for Insurance firms using Guidewire & Java	
Jan-Jun'18	Research Intern	Center for AI & Robotics, DRDO, Bengaluru
	Designed & built a Stair Climber bot along with its basic SDK library	
	Worked on Active Noise Cancellation algorithms for Wall Climber bot	
July'17	Summer Intern	NTPC Limited, Solapur
	Analyed *Scope of Wind capacity installations* using Meteorological data and learnt about the practical challenges of commissioning them	
June'17	Summer Intern	RINL, Visakhapatnam
	Learnt about steel making processes & waste heat recovery systems	
	Analyzed workflow & suggested optimization of few bottlenecks	
Summer'16	Summer Intern	Century Rayon, Mumbai
	Investigated the "Heating Effects in Cake conditioning Rooms"	
	Studied TQM and DMAIC practices to address performance issues	

Research and Projects

May-Dec'17	Advanced Materials for Energy Efficient Buildings
	Studied the application of Phase Change Materials in buildings to reduce cooling load & energy usage across various geographies
Jan-May'17	Design of Cleanroom for MEMS Fabrication
	Optimized the control parameters of an ISO 5 Cleanroom using DOE methods & COMSOL5.1 (CFD) & validated results with Hemair SI Ltd.
Jan-May'17	Interactive Creation of Splines
	Formulated algorithms and built a GUI using Matlab to obtain splines and their respective blending functions for any given dynamic input
Aug-Nov'16	Fabrication of Tabletop EDM Machine
	Led a team of 8 students to design & build the product from genesis & achieved 20 micron erosion on AISI 1020 steel using brass electrode
Aug-Nov'15	Critical analysis of Performance appraisal systems
	Led a team of 8 students to survey & review the appraisal systems of NTPC and IBM to measure its influence on employee's work outputs

Achievements

Dec'17	Book Distribution Campaign
	Single handedly ran a campaign & sold over 150+ books within 3 days
Mar'17	First - VIKAS Soch Ideation Marathon
	Won 10k in cash for best social startup idea at Launchpad E-Summit
Mar'16	Runners Up - Ground Reality
	Won 12k in cash for the best B-Plan submission at Pearl 2017
Feb'10	Best All Rounder Award
	Ranked first across all campuses of school for all-round excellence
2010-11	Olympiads(School Level)
	GOLD Medals won at NSO(2011), NCO(2010) & IMO(2010))

Electives and MOOCs

Electives	Reverse Engineering & Rapid Prototyping, Renewable Energy, Quality Control Assurance & Reliability, Project Appraisal, Public Policy, Principles of Management, HR Development, Fundamentals of Finance & Accounting, Srimad Bhagavad Gita
MOOCs	Introduction to R,SQL & Python Courses on Datacamp
	Currently pursuing Deep Learning Specialization on Coursera