



EDUCATION				
PROGRAM		INSTITUTION	CGPA/%	YEAR
Dual Degree in Naval Architecture & Ocean Engg. Minor: Industrial Engineering		Indian Institute of Technology, Madras	6.82	2018
XII (Board of Intermediate Education)		Ascent Junior College, Visakhapatnam	91.5%	2012
X (ICSE)		St.Aloysius Anglo Indian High School	83.42%	2010
SCHOLASTIC ACHIEVEMENTS				
▪ Ranked among the top 0.9% of 13,00,000 applicants for Joint Entrance Examination, Mains				(2013)
▪ Placed among the top 1% of 3,95,000 applicants in the Andhra Pradesh Common Entrance Test (EAMCET)				(2014)
▪ Awarded Gold Medal at district level by Soft'zen for student competition which had participation of 500+ students				(2008)
PROFESSIONAL EXPERIENCE				
Data Analyst IFMR-Capital (Dec 2016 - Jan 2017)	▪ Developed a mass scale data mining application which converts 10 major regional languages to English ▪ Built a foolproof model in Python which is capable of reading the content of a source file automatically ▪ The model has been integrated with database of 1000000+ words and it get updates itself with any new words ▪ Model is aimed at sentiment analysis of news which is widespread across 29 states for more than 600+ newspapers			
Product Development Planys Technologies (May 2016 - Jul 2016)	▪ Developed a reliable underwater connectors which aids in transferring power between two underwater systems ▪ Optimized the design and attained cost efficiency of 75% by 3D modeling and strength simulations on Solidworks ▪ Established a systematic procedure for manufacturing and testing of the product			
In-Plant Trainee Mazagon Dock (Jun 2015- Jul 2015)	▪ Increased tug boat stability by 30% by performing the initial design and stability calculations using AVEVA Marine ▪ Training aided a good understanding of Standard industry practices, equipment and routines at site ▪ Analyzed material and work flow through detail studies of Project planning, Quality control and Materials management			
SKILLS				
Programming: C , Python , Java Software: Solidworks, AutoCAD , MATLAB , Foran , MS-Excel				
POSITIONS OF RESPONSIBILITY				
Team Head AUV Amogh (Dec 2016 – Aug 2017)	▪ Leading a team of 25+ members of different streams and modules in developing miniature AUV of IIT Madras for international competition AUVSI Robosub-2018 and National competition NIOT SAVE- 2018 ▪ Mentoring the students with necessary skills in 3D modeling and engineering solutions for underwater robotics ▪ Spearheaded in the construction of Amogh 3.0 which can navigate autonomously upto a depth of 25m			
Monitoring Committee Head, Oceana 2016-17	▪ Attained highest footfall ever by 25%, leading a team of 12 core members and 35 coordinators (15% leaner than 2016) ▪ Reduced the expenditure by more than 50% by implementing strict accountability in system ▪ Boosted participation of freshers by more than 50% by introducing special mentor-buddy programs and workshops			
Core Member Team Events Wavez 2015-16	▪ Headed a team of 25 coordinators and 20 volunteers to organize 15+ events for Wavez 2016 ▪ Envisioned and executed new events like RC boats and Autonomous water craft with prizes worth INR 50000 ▪ Proposed and initialized new workshops like Ansys and Roboceana which had 300+ participants			
Coordinator Facilities Saarang 2015	▪ Led a team of 20 students & over saw 5 Professional Shows during cultural festival of IIT Madras ▪ Managed concerts with a budget of INR 70Lacs through efficient networking, marketing and resourcing ▪ Successfully handled new responsibilities of Internal Publicity by optimal use of manpower and resources			
PROJECTS & RESEARCH EXPERIENCE				
M.tech Thesis Guide: Dr.V Anantha Subramanian (Jun 2017- Present)	Design and stability analysis of a cruise vessel for backwaters ▪ Designed a 12m day cruiser vessel and performed stability calculations as per DNV classification in FORAN software ▪ To estimate the resistance and propulsion of the vessel in backwaters by hydrodynamic analysis in CFD			
Student competition Guide: Dr.T.Asokan (Sept 2014 – Contd.)	Development of an Autonomous underwater vehicle (AUV) for student competition ▪ Conceptualized, designed and fabricated various subsystems to accomplish pre-defined tasks of competitions like NIOT SAVE and AUVSI Robosub using Image Processing and Passive SONARs ▪ Achieved a reduce in overall drag of the vehicle, AUV Amogh 3.0 by 19 % and increased overall efficiency			
Course Project Guide: Dr.Sannasiraj (Jan 2013 – Contd.)	Economic assessment for installation of Sea based Wave Energy Convertor ▪ Evaluated wave characteristics data along the Indian coastline, over 6 potential sites , for installing energy converter ▪ Developed a mathematical model and analyzed the power output, cost effects along the coast			
OTHER ACTIVITIES				
Co-curricular	▪ Member of the team representing IIT Madras at SAVE (Student Autonomous Underwater Vehicle) National Competition 2014 & 2016-17 conducted by National institute of Ocean Technology (NIOT) ▪ Exhibited our AUV with 50+ other reputed companies at Electronics For You Expo conducted in 2015 at New Delhi			
Extra-curricular	▪ Placed 3rd in a three round knockout quiz ,“ Triathlon ” an event from Wavez-2014 ▪ Certified as NCC (National Cadet Corps) B certificate holder; trained on drill, first-aid and weapon handling			
Social Cause	▪ Conducted Marine clean up with bhoomi foundation as part of Wavez’15&’16 inspired from Swacch Bharath ▪ Organized and participated in various Health & Hygiene camps for rural people at school level			