



Student's Name : Akash Bala

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B.Tech: Mechanical Engineering

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Academic Background					
Degree / Certificate	Institute	Board/ university	CGPA/ Percentage	Remarks	Year
B. Tech	Jalpaiguri Government Engineering College (JGEC)	MAKAUT	8.02	>9 in Engg Mechanics, Solid Mechanics, Heat transfer, Machine drawing subjects	2022
Higher Secondary	Sudarshanpur D.P.U Vidyachakra	WBCHSE	88.20%	>90% in Math, Computer application subjects	2018
Secondary	Karandighi High School	WBBSE	83.42%	>90% in Math subjects	2016
Scholastic Achievement					
Scholarships	Swami Vivekananda Merit-cum-Means Scholarship				
Research / Academic Projects					
Projects	Method on developing cost efficient and portable Ventilators using a BVM We made 2 model of automatic BVM system which cost is also very low compared to other automatic ventilators.				
Projects	Reduction of consumption of cooling water in thermal power plant I use cascade refrigeration system to cool the hot cooling water coming from the power plant condenser. And a secondary method of dry cooling tower with internally finned tube with Cu 101 alloy as a fin material.				
Training	About Training				Duration
SBSTC	Training on SBSTC IC Engine , Docking , Body part , Differential , FIP and Unit section				2 Weeks
Solid Works	The training consisted of Solid Works- Introduction, Interface and Sketching, Applying Features and Material, Solid Works Assembly, Solid Works Drawing and Portfolio Building and Final Project- Air Piston-Cylinder Assembly modules. I scored 100% in the final assessment and was a top performer in the training.				6 Weeks
Internship	About Internship				Duration
FEA/CFD INTERNSHIP (From Elite Techno Group)	Here I made a connecting rod model and applied finite element method on it and by using Ansys software I did the CFD analysis and found maximum normal stress , maximum strain energy and maximum deflection .				4 Weeks
Positions of Responsibility					
Secretary	Jyoti A Ray Of Hope , An organization ran by jalpaiguri govt engineering college's students and alumni ,it is a night school ,provide free education to the needy local students				
Operation Manager	I am the operation manager of Space and Aeronautics Activity Center . An organization.				
Stock Head	I am the stock head of Center for Innovation , the technical club of our college				
Team Leader	I played the team leader role in our college tech fest Sristi				
Extra-Curricular Activities					
Teaching	I also play the role of teacher in Jyoti night school				
Drama	Active Member of our college's drama club				
Skills					
	AutoCad	Advanced			
	Solid Works	Advanced			
	Fusion 360	Intermediate			
	Ansys	Intermediate			
	Management	Advanced			
	C	Intermediate			
Languages					
	English	Bengali	Hindi		
Hobbies / Interests					
	Cooking	Playing Guitar	Football	Movies & Series Watching	

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