

AGRICULTURAL & FOOD ENGINEERING/FINANCIAL ENGINEERING
MINOR in COMPUTER SCIENCE & ENGG. (B.Tech 4Y)

EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2025	M.TECH Dual Degree 5Y	IIT Kharagpur	8.57 / 10
2019	Senior Secondary/Class XIIth (CBSE)	ADARSH VIKAS VID MAHAMADPUR PHULWARISHARIF PATNA	90.2%
2017	Higher Secondary/Class X (CBSE)	ST. MICHAEL'S HIGH SCHOOL PO DIGHA GHAT PATNA	10 / 10

INTERNSHIPS

KORAWAN INDIA MULTIVENTURE LIMITED WEB- DEVELOPER FRONTEND PATNA	[Apr22 - Jul22]
<ul style="list-style-type: none">•Successfully built the frontend using React.js "Trap the Deal," a B2B website offering a wide range of e-commerce products.•Utilized live APIs from companies to retrieve product details and seamlessly integrated them in Web Application.•Implemented Add to Cart section and added email/password validation using Regular Expression in the Login/Signup section.	

PROJECTS

Opensoft Competition'22 Gymkhana Inter-Hall IIT Kharagpur	[March'22]
<ul style="list-style-type: none">•Built a web based application using hybrid cloud infrastructure and load balancer to avoid outages during load on server.•Successfully implemented robust services like Amazon RDS, Amazon SNS, Amazon EKS, Grafana, Prometheus and more.•Gold winning solution which secured first position outperforming 21 participating halls of residence.	
RTSM PROJECT Guided by: Prof. Buddhananda Banerjee, Dept. of Mathematics	
<ul style="list-style-type: none">•Conducted a regression project that predicts customer expenses for insurance premiums, on dataset of 1300+ observations.•Performed Exploratory Data Analysis, used Ordinary Least Squares regression to estimate coefficients and calculate confidence and prediction intervals, employed backward feature selection method. Performed error analysis for outlier detection.•Explored additional models using Lasso and Ridge Regression, achieved best R-sq. value of 0.75 and an F-statistic of 998.2.	
Game 2048 Self Project	
<ul style="list-style-type: none">•Created a Interactive 2048 game in C++, implementing OOPs principles and STL, demonstrating problem-solving abilities.•Used Linear Congruential Generator Algorithm to generate pseudo random number to assign values and position in the grid.•Optimized cell shifting and merging, enhancing gameplay dynamics by aligning identical values according to specified direction.	

AWARDS AND ACHIEVEMENTS

<ul style="list-style-type: none">•Successfully qualified NTSE Stage 1(2017), emerging victorious among a staggering number of over 100 million+ candidates.•Attained achievement in JEE Advanced 2020 by securing a percentile of 93.84, surpassing of over 150,000+ candidates.•Codechef(Handle:APOORV_A): Skilled Div-2 coder, achieved best global rank of 571, showcasing proficiency in CP.•Earned a Gold badge with Five stars and a Silver badge with Four stars in problem solving using C++ in HackerRank.•Secured AIR 634 in CodeKaze 2023, which is one of its kind pan-India hiring challenge, conducted by Coding Ninjas.	
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CERTIFICATIONS

Programming in C [NIIT] Applied Algorithm& D.S. [ALGO-ZENITH] Mastering D.S.A. using C &C++ [UDEMY] The Complete Web Development Bootcamp [UDEMY] Oops Programming In C++&Interview Preparation[UDEMY]
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COURSEWORK INFORMATION

Mathematics: Probability and Statistics Theory Of Partial Differential Equation Regression Analysis and Time Series Model. MOOCs: Python MYSQL CS: Programming and Data Structures(P.D.S.) P.D.S. Lab. Humanities: Economics General Psychology Environmental Humanities.
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SKILLS AND EXPERTISE

•Programming Languages: C++ C Python HTML CSS JavaScript Bootstrap Arduino •Backend: Flask Django •Databases: MYSQL MSSQL Server •Libraries/Framework: React.js STL(C++) Pandas Numpy •Tools: Vs Code Sublime Text Google Colab GIT GITHUB MS Office Adobe Premier Pro.

POSITIONS OF RESPONSIBILITY

Core Team Member Agricultural Engineering Society IIT KHARAGPUR	[2022-23]
<ul style="list-style-type: none">•Formulated outreach strategies for Prakriti 2023 in 150+ Agricultural colleges in India resulting in 40% YoY growth in footfall.•Coordinated and managed a team of 50+ campus ambassadors for the successful execution of all the events of Prakriti 2023.	
Secretary Technology & Mess Lal Bahadur Shastri Hall of Residence IIT KHARAGPUR	[2021-22]
<ul style="list-style-type: none">•Managed a 30+ contingent for various Inter Hall technology events –Product Design, Case Study, Open Soft &Tech Quiz.•Head of the secretary team managing the mess service, food standards and hygiene of mess of 2000+ students of LBS Hall.•Organised and managed a Convocation Grand Dinner for 1900+ students of L.B.S. Hall securing a budget of 6 Lakh+.	
Volunteer National Service Scheme (NSS) IIT KHARAGPUR	[2020-22]
<ul style="list-style-type: none">•Conducted awareness drive(during Corona period) in the nearby government schools about vaccination against COVID-19.•Part of Swachh Bharat Abhiyan Awareness Rally conducted by Regional Directorate of NSS, W.B., Government of India.	

EXTRA CURRICULAR ACTIVITIES

<ul style="list-style-type: none">•Actor Technology Dramatics Society-Pravah: Acted and Edited(using Photoshop) the 20+ minutes of online Fresher's & Annual Production Play. Supervised a farewell consecutively for 2 years for the Pravah graduating batch securing a total budget of Rs.20000+ each time.•Sports L.B.S. Hall of Residence: Vice-Captain of Bronze winning Lawn Tennis team in the Gymkhana Inter Hall Championship.•Tutor Chegg: Experienced Physics Expert at chegg. providing guidance and assistance to students with there academic problems.	
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