



Kumar Rishav
IIT (ISM) Dhanbad
krishav66@gmail.com
[linkedin.com/in/kumar-rishav-203710101](https://www.linkedin.com/in/kumar-rishav-203710101)

M.Tech
Male
DOB: 29 Nov 1994
Phone: 9110929768

Examination	University	Department	Year	CPI
Post-Graduation (M.Tech)	IIT (ISM) Dhanbad	Fuel	2019	8.11
Graduation (B.Tech)	HIT Kolkata	Chemical	2017	7.48

ONLINE CERTIFICATION

Professional Digital Marketing Course – INDUSTRYCreds™ certification Aug'19-Present

- Underwent the Super Consumer Deep Dive for Cashify, identified the communication challenge and the brand solutions, and created the targeting strategy for the app on Facebook and Google Ads
- Performed Keyword Analysis for Cashify and created the Off-Page SEO and SEM strategy.
- Suggested layout for Cashify website to create a customer decision tree and re-target consumers with customized communication.
- Created the Content and Email strategy for Cashify

The Fundamentals of Digital Marketing – Digital Unlocked

Aug'19

- **Google Certified**, Credential ID - QBH LP5 F4G

MAJOR RESEARCH EXPERIENCES

Study of Briquettes Formed using Coal and Biomass

Aug'18-July'19

Postgraduate THESIS | IIT (ISM) Dhanbad | Guide: Dr. Shalini Gautam (Assistant Professor)

- Conceptualized and executed **45 experiments**; testing the feasibility of briquettes formed
- Achieved **40% increase** in power output; investigated production of alternative fuel by identifying critical parameters and optimization
- Developed calibration curve with **93.7% goodness of fit** using regression model between density terms with increase in biomass percentage
- Led plant **troubleshooting**; regularized **procurement** of raw materials and utilities
- Obtained **4-fold** reduction in burning time by identifying bottlenecks and listing **energy efficient** solutions

Simulation of Two Phase Fluid Flow using Level Set Method

July'16-June'17

Undergraduate Dissertation | HIT Kolkata | Guide: Dr. Sulagna Chatterjee (Professor)

- Analytically analyzed **high performance** micro pump and modified under given operating conditions and contact angle
- Established **relation between** contact angle and major performance evaluated parameter using **COMSOL** Multiphysics Software
- Implemented setting up of boundary variables and domain related for flow
- Improved detachment of droplets and pacing disengagement of detached droplets from interface proving **easy** simulation

PROFESSIONAL TRAINING

Auroma Coke Limited, Dhanbad

Summer'18

- Ramped up the **profit enhancing** quality of raw coal from coal mines; contributed in annual capacity of **1 million tons**
- Optimized series of operations involved in Coal Washery Division
- Suggested **fast processing** of raw coal from crusher to its separation into clean coal, middling and reject resulting **10%** increase in efficiency and improved storage system

Kolkata Metropolitan Water & Sanitation Authority, Kolkata

Summer'16

- Rendered quality service with **proposed hypothesis**, engaged with authority thus enhancing segregation in raw water, increasing quality by **10%** of purified drinking water
- Optimized and implemented intensified cleaning technique in raw water treatment
- Analyzed conventional water treatment method; led to **periodic lab testing** to ensure water and effluents

SKILLS

Data Analyst: Excel; PowerPoint, Word; **Design Tool:** AutoCAD; **Programming:** C, C++; Adobe Photoshop;
Key Competency: SEO, SEM, Google Analytics, Google Ads, Market Research, Event and campaign management, analytics and data insights, Business strategy, content marketing, strategic planning, display advertising, e-commerce, email marketing, social media and video, web optimization; Excellent Networking and Inter-personal skills.

SEMINARS

Influence of coal fluidity on coal blend and coke quality	Summer'18
<ul style="list-style-type: none">Presented detailed analysis of decrease in fluidity with addition of non-coking coalExamined and explained the measured effects on decreasing fluidity due weathering	
Liberation characteristics of Indian coking coal through Washability	Winter'17
<ul style="list-style-type: none">Segmented liberation characteristics of two size fraction of coal (50mm and 6mm)Analyzed the theoretical yield of 24.5% and 44.5% clean coal at 10% ash content	

POSITIONS OF RESPONSIBILITY

• Teaching Assistant for FME-18 & 19 under Prof. N Suresh, IIT(ISM) Dhanbad	2019
• Assisted and managed to successfully invite participation of over 150+ students in the festival, SRIJAN'18 (IIT)	2018
• Coordinated 5+ events and an active crew member in annual cultural Fest, ECLECIA'17	2017
• Managed advertisement campaigns and publicity across 10 colleges in Kolkata leading a team of 12 members	2017
• Managed and coordinated Management Team of Students Council in Technical Event (DAKSH '17)	2016

SCHOLASTIC ACHIEVEMENTS

• Secured 3rd position Among 3 SEATS (UR Category) in ISMEE	2017
• Secured 84.21 percentile in BARC TS Online Examination among 18k candidates	2017
• 1st International Cyber Olympiad , International / State / School rank- 758/12/11	2010
• 2nd Nationwide Interactive Science Olympiad National /State /School rank- 1401/16/12	2010

EXTRA CURRICULAR ACTIVITIES

CULTURAL	<ul style="list-style-type: none">Actively participated in INDIAN IDOL season 10 ['18] and 11 ['19]; Cleared round 2 in Season 10Recognized and promoted music video by The Voice of India Page; crossing 9.5k views in a day ['19]Led the induction (music) and selection process for junior batches with 4 round of evaluation ['19]Volunteered annual fest, dance category; successfully marked up registration for 42 competitorsCoordinated and managed Solo-singing category, fetching 47 registered participants across 15 collegesEstablished engagement with 700+ students across campus, being active crew memberWon and mentored 10+ art and pencil sketch competition; awarded 1st 2nd 3rd at school levelRepresented school at Zonal Level in Drawing and Painting competition ['10]
SOCIAL	<ul style="list-style-type: none">Led a team of 15 and distributed clothes collected from hostels and society to underprivileged children
SPORTS	<ul style="list-style-type: none">Represented department in 10+ matches in inter-college Football gamesInter-Hostel Cricket Tournament: contributed with team members, Topaz Hostel, (IIT ISM'19)Participated and contributed in a 7 player team in Inter-Department Gali-Cricket, (IIT ISM'18)
