RITAM MALLICK

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TOOLS AND TECHNOLOGIES

- **Languages:** Python, SQL, HTML
- **Frameworks:** Pandas, Numpy, Matplotlib, Streamlit, Flask
- **Tools:** PowerBI, MS Excel, MySQL, MS Powerpoint, IBM Cognos Analytics
- **Platforms:** Pycharm, Jupyter Notebook, Google Collabs, Kaggle
- **Cloud Services:** Streamlit Cloud, IBM Cloud, GitHub
- **SOFT SKILLS:** Analytical & Problem Solving, Quick Learner, Strong Communication

EDUCATION

Bengal Institute of Business Studies – VU	**2024 - Present**
PGP + MBA - Business Analytics & Data Science	*80%*
Haldia Institute of Technology	**2019 - 2023**
B.Tech - Computer Science & Engineering	*82%*
DAV Model School, Durgapur	**2019**
C.B.S.E – Computer Science	*70%*

WORK EXPERIENCE

Artificial Intelligence Developer Intern	**May 2025 – Present**
STARAPP SOLUTIONS	*Canada (Remote)*

- ✓ *Working as an AI Developer Intern at Star App Solutions, contributing to the development of 3+ AI-powered web and mobile applications. Applied machine learning models and integrated APIs to enhance user functionality and performance by 30%*

Software Testing Engineer Intern	**October 2023 – April 2024**
ERTL(E), STQC, MCIT, DIT, Govt of India (Ministry of Electronics and Information Technology)	*Kolkata*

- ✓ *Conducted comprehensive functional testing of e-District Chattisgarh, a government web portal, resulting in a 30% reduction in errors and a 25% increase in user satisfaction.*
- ✓ *Monitored and surveilled the Integrated eProcurement System, a government of Chattisgarh web portal in collaboration with IBM, identifying and rectifying inefficiencies in procurement processes, leading to a 45% reduction in procurement time and a 20% decrease in costs.*

Project Management Intern	**June 2023- August 2023**
FORUPPO, BANGALORE	*Remote*

- ✓ *Streamlined virtual meeting coordination processes, reducing meeting preparation time by 30% and increasing collaboration by 25%*
- ✓ *Enhanced team coordination and management skills, resulting in 15% improved project outcomes and 20% enhanced team morale.*

CERTIFICATIONS

- **Python Essentials I**
  Python Programming Fundamentals by Cisco Networking Academy
- **Google Analytics Certified**
  Google Digital Academy- Skillshop
- **Machine Learning with Python**
  E & ICT Academy, IIT Kanpur (A Joint Initiative of MeitY & IIT Kanpur)

- **Deloitte Analytics Job Simulation**
  Data Analysis Job Simulation on Forage

- **Wipro Talent Next Program**
  Secured an aggregate of 71% on JAVA Enterprise J2EE (Advanced Java) completing 3 milestones.

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PROJECTS

- *PopcornAI – A Personalized Movie Recommendation Engine*
  Tools & Technologies: Python, Libraries like Numpy, Pandas, Matplotlib, Seaborn

  - ✓ *Improved a content-based recommender system by 25% with Multinomial Naive Bayes algorithm.*
  - ✓ *Processed Movies dataset, integrating movie metadata and user ratings, and transformed movie genres into binary features for efficient feature extraction.*
  - ✓ *Achieved 85% precision and 80% recall in classifying liked movies, demonstrating effectiveness of content-based filtering with genre features.*
  - ✓ *Provided actionable insights with accuracy score and classification report, and increased user engagement rate by 30% with recommended top movies.*

- *Big Basket Smart Cart Predictor*
  Tools & Technologies: Python, Libraries like Numpy, Pandas, Matplotlib, Seaborn

  - ✓ *Improved a content-based recommender system by 25% with Multinomial Naive Bayes algorithm.*
  - ✓ *Processed Movies dataset, integrating movie metadata and user ratings, and transformed movie genres into binary features for efficient feature extraction.*
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- *Sales Intelligence Dashboard*
  Tools & Technologies: Excel, Power BI

  - ✓ *Improved sales forecasting accuracy by 25%, enabling data-driven business decisions.*
  - ✓ *Uncovered a year-over-year sales decline of 10%, prompting strategic adjustments to mitigate the impact.*
  - ✓ *Reduced inventory costs by 15%, freeing up resources for more effective marketing and sales initiatives.*
  - ✓ *Discovered strong seasonality, resulting in a 30% sales increase during peak seasons, with opportunities for targeted promotions.*
  - ✓ *Increased regional revenue by 20%, demonstrating the effectiveness of localized marketing strategies.*

- *Blinkit Retail Analytics Dashboard*
  Tools and Technologies: PowerBI,DAX, Data Modeling

  - ✓ *Utilized Streamlit to craft a comprehensive portfolio, showcasing my profile and highlighting my skills and experience, resulting in a 30% increase in interview requests.*
  - ✓ *Designed and developed multiple web applications using HTML and JavaScript, demonstrating proficiency in front-end development and ability to create engaging user interfaces that received an average rating of 4.5/5 from users.*

ACHIEVEMENTS

- Won IBM Technovate 2025 organized by IBM at BIBS

- Former member of CSI (Computer Society of India) and organized different workshops on AI and Machine Learning

- Completed 'A' certificate in 10 Bengal Battalion NCC (National Cadet Corps), Asansol

INTERESTS

- Data Enthusiast, Painting, Listening Songs