

# RAHUL MONDAL

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## EDUCATION

### NSHM Knowledge Campus

Bachelor of Technology in Computer Science Engineering(Data Science)

Durgapur, India

Expected Graduation: 2026

### Baital Gopeswar Pal Vidyapith (HS)

Higher Secondary Education - West Bengal Board, 86%

West Bengal, India

2018 – 2020

## TECHNICAL SKILLS

**Programming Languages:** Python (Pandas, NumPy, Matplotlib, Seaborn), SQL, C

**Data Tools & Technologies:** Power BI, MS Excel, OpenCV, Git, Jupyter Notebook

**Data Science & ML:** Exploratory Data Analysis (EDA), Statistical Analysis, Regression, Classification, Machine Learning

**Core Competencies:** Data Cleaning, Data Visualization, Dashboarding, A/B Testing, Problem-Solving, Team Collaboration

## PROFESSIONAL EXPERIENCE

### Data Science & Analytics Intern

Zidio Development

Aug 2024 – Nov 2024

Remote

- Engineered automated data cleaning pipelines using Python and SQL, improving data processing efficiency by 40% and reducing manual intervention across multiple datasets
- Developed interactive Power BI dashboards to visualize key business metrics and trends, enabling data-driven decision-making for stakeholders and improving internal operational insights
- Conducted comprehensive exploratory data analysis (EDA) and implemented machine learning algorithms (regression and classification), achieving measurable performance improvements in predictive accuracy

### Data Science & Analytics Intern

Next24Tech

Mar 2024 – May 2024

Remote

- Developed a real-time lane detection system using OpenCV and Convolutional Neural Networks (CNNs), improving detection accuracy by approximately 20% in varied lighting conditions
- Integrated the lane detection model into an autonomous driving simulation pipeline, enhancing lane tracking stability and system reliability for edge-case scenarios
- Created comprehensive technical documentation and collaborated cross-functionally with engineering teams, reducing new team member onboarding time by 30%

## KEY PROJECTS & ACHIEVEMENTS

### Tata Data Visualisation: Empowering Business with Effective Insights | Forage Job Simulation

Jan 2026

- Completed a professional simulation creating data visualizations for Tata Consultancy Services to support executive decision-making and strategic planning
- Prepared analytical questions and presentation materials for client senior leadership meetings, demonstrating business acumen and stakeholder communication skills
- Designed and delivered visuals for complex data analysis, translating technical insights into actionable business recommendations

### Lane Detection System for Autonomous Vehicles | Python, OpenCV, TensorFlow

Mar 2024 – May 2024

- Built end-to-end computer vision pipeline processing real-time video streams to identify and track road lane markings using advanced image processing and deep learning techniques

### Business Intelligence Dashboard | Power BI, SQL, Python

Aug 2024 – Nov 2024

- Created comprehensive analytical dashboards integrating multiple data sources to track KPIs, identify trends, and generate insights for business optimization

## CERTIFICATIONS & ADDITIONAL INFORMATION

**Certifications:** Effective Writing - IIT Roorkee

**Languages:** Bengali (Fluent), Hindi (Fluent), English (Professional Proficiency)