

**DIPAYAN SAHA**

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## **PROFESSIONAL SUMMARY**

MBA candidate in Business Analytics with 1.5+ years of software engineering experience and proven expertise in financial analysis, business intelligence, and data visualization. Skilled in leveraging Python, Power BI, SQL, and Tally Prime with demonstrated success in M&A due diligence, Financial Forecasting, Dashboard Development and converting complex data sets into actionable C-suite insights that optimize operational efficiency and cost-savings. Strong technical foundation combined with business analytics acumen for data-driven decision making.

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## **EDUCATION**

- **MBA in Business Analytics** | Xavier Business School, St. Xavier's University, Kolkata.  
Expected Graduation: 2026 | **CGPA: 8.30/10.0**
- **B.Tech. in Computer Science & Engineering** | KIIT University, Bhubaneswar  
Graduated: 2021 | **CGPA: 7.71/10.0**

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## **PROFESSIONAL EXPERIENCE**

**Indus Net Technologies Ltd. | Business Analytics Intern** *May 2025 – July 2025*

- **Financial Consolidation:** for 3+ entities using **Tally Prime**, improving reporting accuracy by **28%** and ensuring **100% audit compliance** for P&L and Ledger reports.
- **Business Intelligence:** engineered **Power BI** dashboards that tracked in operational expenses, identifying ₹ 4 Cr. in annual cost-saving opportunities through variance tracking.
- **Strategic M&A:** conducted financial due diligence for 2 acquisition targets, performing risk assessments that identified a **15% discrepancy** in projected liabilities versus actuals.
- **Predictive Modeling:** using **Python based time-series models (SARIMAX)** to forecast revenue with **94% accuracy**, directly influencing strategic go/no-go decisions for the CEO.
- **Pipeline Optimization:** supported sales lead generation through client data analysis, resulting in a **12% increase in qualified pipeline growth** over 2 months.
- **Analytics Consulting:** Defined KPI frameworks for client projects, reducing dashboard development turnaround time by **20%** through streamlined requirement mapping.

**Greenway Health Pvt. Ltd. | Associate Software Engineer** *September 2021 – January 2023*

- **Developed Full-Stack interfaces:** for Data Insights product using ReactJS and SQL, resulting in a **30% faster page-load time** and improved user engagement.
- **Performance Engineering:** Optimized **SQL database operations** and RESTful APIs, reducing backend latency by **40%** for a platform serving 50,000+ clinical users.
- **Quality Assurance:** Reduced production incidents by **20%** through rigorous unit testing (Jest) and proactive code reviews within an **Agile/Scrum** framework.
- **System Design:** Translated complex healthcare business requirements into low-level design documents and technical specifications for scalable data insights.

## **TECHNICAL SKILLS**

- **Programming & Databases:** Python, R, SQL, JavaScript, MongoDB.
  - **Data Analytics & BI:** Power BI, Tableau, Advanced Excel (VBA/Macros), SPSS, Statistical Modeling.
  - **Web & Cloud:** HTML, CSS, ReactJS, Redux, Node.js, RESTful APIs, AWS, Git/GitHub.
  - **AI/ML Tools:** Lang Chain, Lang Graph, Machine Learning, Orange
  - **Methodologies & Business Tools:** Agile, SDLC, Tally Prime, MS Office, Financial Forecasting
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## **PROJECTS & CERTIFICATIONS**

- **E-commerce Application:** Built a full-stack web app using ReactJS and MongoDB; featuring integrated Stripe API for secure payment processing and order management.
  - **MEDIQAS:** Developed an intelligent chatbot to bridge the patient-provider gap by providing automated, real-time medical query resolution and health guidance using JavaScript and HTML/CSS.
  - **Helping Hand:** Developed a humanitarian web platform using HTML/CSS and JavaScript to streamline government fund distribution and essential resource allocation for pandemic-affected communities.
  - **AI-Driven Predictive Maintenance for Centrifugal Systems:** Developed a predictive maintenance system using Artificial Neural Networks and sensor data (AQ, VOC, Temperature) to forecast equipment failure with 94.18% accuracy, outperforming KNN and Decision Tree models.
  - **Automobile Market Valuation Engine:** Engineered a Linear Regression predictive pipeline in Python using PCA to reduce 26 features to 3 components, achieving a standardized  $R^2$  of 0.88 and automating data cleaning through KNN Imputation for missing values.
  - The Business Intelligence Analyst Course 2025 - Udemy (2025)
  - Programming with Python Training - Internshala (2023)
  - SQL Database Fundamentals - Microsoft Virtual Academy (2022)
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## **ACHIEVEMENTS & LEADERSHIP**

- **German Language:** Certified A1, A2, B1 Level Proficiency (Intermediate).
  - **Competition:** 3rd Place, Hackfest Coding Competition among 200+ participants at KIIT.
  - **Leadership:** Core Member, AnalytiqIQ Club and Xaviesta Fest 25,26 business events committee at XBS; leading business analytics initiatives at XBS, managing analytics and product management events for 500+ attendees.
  - **Social:** Member of Xavier Social Responsibility (XSR) Cell.
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## **LANGUAGES KNOWN**

- English (Fluent), Bengali (Native), Hindi (Fluent), German (Intermediate - B1 Level)
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## **HOBBIES & INTERESTS**

- Football, Chess, Video games, Music, Coding
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## **PERSONAL DETAILS**

- **Gender** – Male
- **Current Place** – Kolkata, West Bengal
- **Hometown** – Siliguri, West Bengal