Arnab Bera

Associate Consultant

PERSONAL INFORMATION

✉ **Email**
arnabbera.official@gmail.com

📞 **Mobile**
(+91) 8622016168

💼 **Total work experience**
8 Years 6 Months

🌐 **Social Link**
https://www.linkedin.com/in/arnabbera-tech

KEY SKILLS

Python

Machine Learning

Data Science

Artificial Intelligence

Neural Networks

Natural Language Processing

SQL

Webmethods

API Integration

Azure DevOps

GIT

Github

Java

OTHER PERSONAL DETAILS

PROFILE SUMMARY

Resume headline : Specializing in AI & ML with Python | Microsoft Azure & SoftwareAG Certified | Java WebMethods Integration BPM Consultant
As a technology professional with over 8 years of experience, I bring a unique combination of expertise in Artificial Intelligence (AI), Machine Learning (ML), and Integration Technologies to solve complex business challenges. My skill set includes advanced proficiency in Python, Microsoft Azure, SQL, and WebMethods, along with a strong background in Java integration, BPM process modeling, and REST API development.
In my current role as an API and Integration Specialist at Tata Consultancy Services, I have successfully led and optimized 5+ critical integration projects, achieving a 30% increase in system interoperability and a 25% reduction in deployment time. Leveraging my AI/ML expertise, I now design intelligent solutions to enhance integration workflows, automate processes, and improve system performance.

EDUCATION

2025 — MS/M.Sc(Science)
Liverpool John Moores University

2016 — B.Tech/B.E.
West Bengal University of Technology (WBUT)

2012 — XIIth
English

2010 — Xth
Bengali / Bangla

WORK EXPERIENCE

Jul 2016 - Present — Associate Consultant
Tata Consultancy Services Ltd.
Role - Client-Side Support & Technical Lead
Location - Frankfurt, Germany (Onsite)

Jul 2017 - Mar 2022 — Information Technology Analyst
Tata Consultancy Services Ltd.
Role - Integration Specialist & Technical Lead
Location - Kolkata , India

Jul 2016 - Jul 2017

System Engineer

Tata Consultancy Services

Role - Application Developer & Support Engineer
Domain - Retail & CPG
Location - Kolkata, India

Projects

871 Days

Client-Side Support & Technical Lead

Key Responsibilities: • Delivered 98% issue resolution within SLA by providing comprehensive support for applications, ensuring smooth operations. • Led the integration of 5+ applications, improving system interoperability by 20% and reducing integration issues by 15%. • Directed and coordinated a 10-member offshore team, enhancing task execution efficiency by 25% and ensuring alignment with project goals. • Maintained a 95% customer satisfaction rate by addressing technical needs proactively and resolving issues efficiently. • Boosted application performance by 30% and reduced operational costs by 10% through technical innovations and process improvements. • Streamlined operations, increasing team productivity by 20% through automation and effective management of daily activities. • Designed, set up, and maintained 3 development and production environments, reducing setup time by 25% through optimized system architecture.

365 Days

AI/ML Project Portfolio

Custom NER for Medical Text: Built a system using spaCy and CRFsuite to extract diseases and treatments, achieving an F1-score of 0.907. Features included POS tagging and dependency parsing.
Gesture Recognition for Smart TVs: Developed a CNN-based model using OpenCV and TensorFlow to identify five distinct gestures for hands-free control.
Melanoma Detection: Created a deep learning model to classify skin lesions as malignant or benign, leveraging CNNs and image augmentation.
Data-Driven Solutions:
Telecom Churn Prediction: Built ML models to predict customer churn and guide retention strategies.
Loan Default Analysis: Identified factors causing loan defaults for Lending Club using logistic regression.
Bike Demand Forecasting: Designed a linear regression model to predict bike rental demand for Boom Bikes.
Tools & Technologies: Python, TensorFlow, Keras, spaCy, scikit-learn, CRFsuite, OpenCV, pandas.

1704 Days

Integration Specialist & Technical Lead

Key Responsibilities:

• Application Development & Integration: Led the design, development, and deployment of REST APIs and Business Process Models using the WebMethods Integrated Suite (versions 9.9, 10.1, 10.3) for a Contract Management System, enhancing deployment efficiency by 30%.

• Post-Deployment Support: Provided comprehensive post-deployment support in UAT environments, resolving 95% of issues within 48 hours.

• Problem Analysis & Resolution: Analyzed and resolved over 200 technical issues, reducing recurring issues by 20% through root cause analysis and implementation of permanent fixes.

• Process Improvement: Proposed and implemented 10+ process improvements, resulting in a 15% enhancement in overall application stability and performance.

365 Days

Application Developer & Support Engineer

Key Responsibilities: • Application Enhancement & Support: Enhanced and supported 3 client applications by integrating new business requirements, improving functionality by 20%.

• Requirement Analysis: Collaborated with business analysts to translate requirements into technical specifications and unit test cases, ensuring 100% compliance with business needs. • End-to-End Support: Provided comprehensive support during deployment phases, maintaining high-quality standards and achieving a 99% defect-free release rate.

COURSES & CERTIFICATIONS

○ EPGP ML and AI Prep Course Completion

○ Python Bootcamp

○ webMethods Certified BPM Developer

○ Azure AI Fundamentals

○ Azure Data Fundamentals

○ Azure Fundamentals