Sanjib K Basu,

AVP, Senior Generative AI Architect, lifelong learner

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Location: Greater Hartford, CT, USA

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# EXECUTIVE profile SUMMARY:

I am a seasoned and hands-on Technology Leader with over 25 years of experience in technology consulting and delivery. My track record includes designing and implementing innovative solutions for Fortune 500 clients and government services across continents. I have successfully delivered enterprise application projects with budgets up to $250 million and have working experience with Big 4 consulting firms.

I drive generative AI, AI/ML innovation, solution architecture, and establish guardrails of responsible AI. My responsibilities include creating PoCs, frameworks, architectural best practices, consultancy, solution design, interaction with research communities, and demos. My recent projects include Contact Center transformation, ChatBOT AI-Assistant on Enterprise Documents, Smart-Search, Intelligent Document Processing, Recommendations, and AI-driven automation. These initiatives deliver significant business benefits worth millions of dollars, with project costs in the thousands.

Versatile Expertise: Proficient in Machine Learning, Generative AI, Data Science, Natural Language Processing, Cloud, Full-stack Development, Micro-services, SPA, DevOps, MLOps, and Performance Tuning. Passionate about mentoring, writing white papers, writing blogs, and lifelong learning.

***Recent Achievements:***

My current employer Hexaware won "AI Implementer of the Year 2024" award at the NY AI SUMMIT: <https://newyork.theaisummit.com/aiconics-awards-2024/ai-implementer-of-the-year>

Generative AI Project Recognition: My project won the prestigious "NASSCOM - AI Game-changer" Award 2023, India's top AI accolade. This pioneering Generative AI project, currently live with a client, is frequently highlighted in senior executive presentations. The project's ChatBOT AI Assistant boasts an accuracy of 99.9% and an average response time of 0.4 seconds, surpassing industry benchmarks.

***Academic and Professional Distinctions:***

**Educational Background:** I achieved a GPA of 4.29 in the post-graduate program in AI/ML from the Red McCombs School of Business, University of Texas at Austin, in 2021. I completed a Bachelor of Technology (Honors) degree from the Indian Institute of Technology, Kharagpur, in 2000, among the top 5 technology institutes of India.

I have been serving as a global technical panelist and have been involved in selecting startups specializing in AI.

**Certifications:** Completed numerous business programs and technical certifications, continuously advancing my expertise.

# Skills SUMMARY:

| Domain | Skills : Major | Skills: Minor |
| --- | --- | --- |
| **AI, ML, Analytics** | Agentic AI, Generative AI, RAG, Deep Learning ANN, GPT 4-o1, 4 & 3.5, Azure OpenAI services, Lang chain framework (RAG), Lama Index framework, Responsible AI framework and guardrails, LLM, LLM observability and AI Quality, Transformers, Multi-modal LLM.  Traditional ML, ensemble model, Performance Turing - feature engineering and hyper parameter running, NLP, Transformers, BERT, transfer learning, Reinforcement learning, Time-series, H20.ai, Sparkling Water, Auto-ML, SPARK ML, Scikit-learn, plotly, TensorFlow-kerus lib, tensor flow-hub, tensorflow-text, prompt egg : CoT, decomposition, re-ranking of retrieval in RAG, multi-hop AI agent etc. | CNN, Image processing, Recommendation Systems, GNN, Knowledge-graph, Databricks ML, Databricks Mosaic AI, Domino ML, Intelligent Document Processing, Azure Form Recognizer, Pytorch-lib, Statistics, Explainable AI. PoC with LLMs such as Claude, Llama, Gemini, Deepseek etc. |
| **Programming** | Python (various libraries), Py-SPARK, Java-J2EE, SQL, Angular, ReactJS, C++, C, | Fortran, Shell script, NO-SQL, Redis-QL, Jenkins, Scala |
| **Database** | RDBMS: Oracle, SQL Server, DB2, No-SQL: MongoDB, Vector DB: Redis, Milvus | Cassandra, Druid, Neo4j, ArangoDB, AWS DynamoDB, PineCone, Neo4j |
| **Middleware** | REST API, Kafka | ESB |
| **Tools and Platforms** | FileNet ECM. MPP, Rally, JIRA, Headspin, Sprinklr, GlassBox, Medalia, Tableau, Business Objects, MLflow, Databricks Lakehouse | Pega, ELK, Selenium, Appium, Informatica |
| **Dev Ops** | OpenShift Kubernetes-Docker, Jenkins, Github, Git CI/CD | Sonar Cube |
| **Cloud** | AWS lambda, S3, EC2, DynamoDB, EMR, EKS, ECS, Sagemaker, Cloud Formation, ML Ops, ML solutions | Azure, GCP, Pivotal Cloud Foundry |
| **Business Domain** | Healthcare, Insurance, Pharma, Life Science, e-Commerce, Retail | Payments |
| **Methodology** | Waterfall, Scrum, Agile-Safe, Kanban, PMP.  Micro-service Architecture, Design Patterns, Security and Compliance. | Extreme Programming, ITIL, CMM |
| **Management** | Partnership with Products (MS Azure OpenAI, Nvidia, Data-bricks etc.), and selecting startups on AI and Generative-AI. Proposals (RFP, RFQ, RFI, SOW), Planning projects and programs, Process design and improvements, Delivery KPI, Partnership, Consulting (e.g. Architecture-as-a-Service, Outsourcing options), Product evaluation and comparison (e.g. Low-Code strategy, Vector DB comparisons, RAG framework comparison, advanced prompt techniques and fine tunning). | Mentoring, Recruiting, Article, Blog, Paper, Whitepaper, developing Solution Accelerators, Product Management |

* I earn respect from clients, colleagues, supervisors, subordinates, peers, partners, vendors, and competitors. Please refer to the many testimonials in my LinkedIn profile.

# Experience:

(In chronological order of recent first)

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| **AVP, Sr. Generative AI Architect** | **Hexaware Ltd.**  **Jul-2024 till date** |

**Customers: Wipfli, Ryder, Freeport, etc.**

I lead the solution and architecture of generative AI in North America for Hexaware. As **Sr. Generative AI Architect** and Assistant Vice President of the Generative AI consulting practice of Hexaware, my experience includes carrying out the following responsibilities**:**

* **Solution Design and Architecture:**
  + Developed comprehensive solution designs and architectures for various use cases across multiple industry verticals for several Fortune 500 clients in the North American region.
  + My recent projects included Agentic AI, Contact Center transformation, Chatbot AI-Assistant on Enterprise Documents, Document Generation, Smart-Search, Code Analyzer, NLP-to-SQL, Intelligent Document Processing, Recommendations, and AI-driven automation.
* **Proof of Concept (PoC) Development:**
  + Created PoCs and shared best practices for generative AI designs, agentic AI designs, including implementing guardrails for responsible AI.
* **Strategic Consultation:**
  + Provided strategic consultation on governance of AI solutions and LLM-Ops to ensure robust and compliant AI deployments in repeatable processes with traceability.
  + Response to market research survey on the capabilities of generative AI practice. (Example HFS Horizons Study, ISG award evaluation)
* **Partnership and Collaboration:**
  + Collaborated with various LLM providers to build solution accelerators, enhancing the efficiency and effectiveness of AI solutions.
  + Partnership with cloud hyper-scalers, NVIDIA and other platforms. Startup evaluations
* **Advanced Techniques and Performance Tuning:**
  + Experimented with advanced prompting techniques, fine-tuning, and performance tuning of RAG (Retrieval-Augmented Generation), Agentic AI applications to optimize results and performance.
* **Tools, Methodologies, Platforms, and Frameworks Comparison:**
  + Conducted comparative analysis of various tools, methodologies, platforms, and frameworks to create informed points of view, guiding selection and implementing the most appropriate technologies for specific use cases.
* **Pre-Sales Support:**
  + I supported several RFP (Request for Proposals) successfully. I critically sharpened the solutions to provide business value and display differentiation.
* **Conference and Trade Show:**
  + I showcased Hexaware's generative-AI solution accelerators and participated in various discussion forums and conferences.
* **Training and grooming:**
  + Mentorship, point-of-view, white paper contribution

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| **Principal Consultant, Artificial Intelligence.** | **Wipro Ltd.**  **May-2021 to Jul-2024** |

**Customers: Cigna, Verizon, Lululemon, VISA, HSBC, SWIFT**

As a lead Data Scientist and Solution Architect, I lead a portfolio of projects in AI-COE of a major healthcare payor. Among the projects following

* I designed and led the development of a **question-answer Chatbot AI-Assistant on Enterprise Documents in record time** for the customer. **The accuracy of Chatbot AI Assistant is about 99.9%, and the average response time is 0.4 seconds, surpassing industry benchmarks.** The project won the “Innovation of the Year” award in the customer organization, a global healthcare insurance payor, and the prestigious "NASSCOM - AI Game-changer" Award, India's top AI accolade. It was nominated for the 2024 Microsoft Partner of the Year Award in the “Building with AI” category. It ensures safe and responsible AI implementation, adhering to the safety guardrails. The solution design optimizes performance, accuracy, and operations based on scalable micro-service architecture, having high availability, dynamic model switching, continuous integration, and delivery through automated DevOps, automated regression, adversarial, and performance testing. **The solution reduces hold time during customer service, with an average 70% reduction of call-time time per customer call.**
* We experimented and successfully implemented various advanced prompt engineering techniques such as Chain-of-Thoughts, decomposition, HyDE, and re-ranking of retrieval in RAG using a cross-encoder.
* On call center call transcripts, we developed analytics to monitor call quality, find root causes of calls, and recommend process improvements to reduce call volumes. We are also experimenting with automated answering of calls a Proof of Concept is largely and demonstrated successfully. The end-to-end transformation program of the Contact Center will start soon.
* I was part of the global technical panelists of Wipro, who evaluate and select startups on generative AI. (<https://lab45thinktank.com/genai-accelerator-program/>)
* I lead solutions for Document Classification, Entity Extraction, Intelligent Document Processing, Call Center Voice Classification, Entity Extraction, and further downstream processing orchestrated by Pega workflow and various system integrations. The OCR produced good results with Azure Form Recognizer on Grievances and Appeals documents. On the customer grievances summary texts, which are free-flow writing, I categorized them with the BERT model to route the grievance to the appropriate operations team. We successfully concluded proof of concept on GPT 3.5 to streamline call center operations.
* I executed a causal analysis on the high call volume of providers. We also tested the ML capabilities of the automation platform, UIPath. I performed the gap analysis assessment of the ML development and deployment platform in the office of intelligent automation, along with product comparisons, and articulated the advantages of Databricks. I lead ideation, design, choice of ML-Ops platform, multi-cloud solution implementation, model performance measurement and tuning, and system integration. **We deliver about 30% cost savings annually in Operations, with multi-phase automation and operations process re-designing, planned over multiple years.**
* As lead Data Scientist and Solution Architect in automating the Digital Operation Center of a Fortune 20 global organization. The solutions include auto-monitoring, auto-triaging, **root cause determination of customer struggles, straight-through processing, near real-time anomaly detection on KPI measurement, customer feedback classification, and social media topic classification to derive actionable insights and efficient digital operations** with the objective of customer satisfaction. The team was comprised of 120+ members across 3 continents. The automation saved about 10% on annual costs and increased turnaround time to end customers by 15%.
* In the Banking Payment Domain, I developed a **Solution Accelerator, “Invoice Payment Reconciliation”, based on advanced NLP, to reduce manual effort and be ISO 20022 compliant** in record time for Wipro, showcased to several global clients. The ISO 20022-compliant payment message contains more information, enabling the Bank to process the invoice to payment mapping on behalf of the company.
* I consulted on an Inventory Optimization solution built on AWS EMR, Py-Spark to reduce cost and time.
* Partnered with OctoML ( <https://www.octoml.ai> ) on high-performing inference model deployment at scale. The product is based on TVM, an end-to-end Machine Learning Compiler Framework for CPUs, GPUs, and accelerators.
* Partnered with TruEra ( <https://truera.com/> ) on AI quality, ethical AI and explainable AI.
* Partnered with Ema (https://www.ema.co/) on Gen AI agents and assistants.

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| **Post Graduate Program in Artificial Intelligence and Machine Learning** | **Red McComb School of Business, University of Texas Austin**  **Nov 2021** |

**CGPA 4.29. I ranked number 1 among worldwide students of working professionals.**

<https://olympus1.mygreatlearning.com/gradesheet/NWRUHEEA>

Following are COURSE PROJECTS of real-life problems with real data.

<https://eportfolio.mygreatlearning.com/sanjib-k-basu>

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| ***Sl*** | ***Project in PGP*** | ***Course*** | ***Description*** | ***Skills and Tools*** |
| 1 | Twitter Sentiment Analysis for Airline Services | Introduction to Natural Language Processing | To identify the sentiment from a tweet to understand an airline's customer satisfaction | Working with text, Vectorization (Count vectorizer & of-IDF vectorizer), Sentiment analysis, Parameter tuning, Confusion matrix-based model evaluation |
| 2 | Image classification using CNNs | Introduction to Computer Vision | To identify the plant seedlings species from 12 different species using a convolutional neural network | Keras, CNN, Working with Images, Computer Vision |
| 3 | Bank Customer Churn Prediction | Introduction to Neural Networks | To help the operations team identify the customers that are more likely to churn by building an artificial Neural Network from scratch. | TensorFlow, Keras, ANN, Google Colab |
| 4 | AllLife Bank Credit Card Customer Segmentation | Unsupervised Learning | To identify different segments in the existing customers, based on their spending patterns as well as past interaction with the bank, using clustering algorithms, and provide recommendations to the bank on how to better market to and service these customers. | EDA, Clustering (K-means and Hierarchical), Cluster Profiling |
| 5 | Feature Selection, Model Selection, and Tuning | Feature Selection, Model Selection, and Tuning | To predict if a customer will leave the credit card services or not and the reason behind it | Cross-validation, up and down sampling, regularization, Pipelines, and hyper-parameter tuning |
| 6 | Travel Package Purchase Prediction | Ensemble Techniques | The "Visit with us" travel company dataset is used to analyze the customers' information and build a model to predict the potential customer who is going to purchase the newly introduced package. | EDA, Data Preprocessing, Customer Profiling, Bagging Classifiers - Bagging and Random Forest, Boosting Classifier - AdaBoost, Gradient Boosting, XGBoost, Stacking Classifier, Hyperparameter Tuning using GridSearchCV, and Business Recommendations |
| 7 | AllLifeBank Personal Loan Campaign Modelling | Supervised Learning: Classification | AllLifeBank dataset was used to build a model that will help the marketing department to identify the potential customers who have a higher probability of purchasing the loan. | EDA, Data Pre-processing, Logistic regression, Finding optimal threshold using AUC-ROC curve, Decision trees, Pruning. |
| 8 | Cars4U Project | Supervised Learning: Regression | Using the Cars4U dataset, we need to come up with a pricing model that can effectively predict the price of used cars and can help the business in devising profitable strategies using differential pricing. | EDA, Linear regression, Linear regression assumptions, business insights, and suggestions |
| 9 | Cardio Good Fitness | Fundamentals of AIML | To execute preliminary data analysis by exploring the dataset and coming up with some basic observations about the data. Build customer profile to help capitalize based on it. Also, extract actionable insights that drive the sales of the business. | Pandas, NumPy, Visualisation techniques, EDA |

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| **Sr. Technology Architect (Analytics)** | **Infosys Ltd.**  **Jun-2017 to May-2021** |

**Customers: CVS Health and Aetna, Travelers, Pfizer, The Hartford**

* I led Machine Learning solutions to predict Emergency Room visits of patients. The analytics approach of the risk prediction model identifies those at increased risk for emergency hospital admissions, which facilitates targeted interventions to prevent these events. The model was developed for insurance payer organizations, with an innovative feature engineering approach to represent various factors influencing emergency visits of the patients mathematically.
* Data engineering was special consideration to represent the chain occurrence of events, in consultation with Physicians and Research papers. I built Analytical Solutions on Claim data insights, including trend analysis, and targeted distribution of medical news (NLP classification), in the Infosys Healthcare platform. The selected Architecture was based on Py-Spark, MLflow, H2O.ai, and AWS.
* I am refactoring a monolithic Angular application, into Micro-front-end applications, which improved performance, stability, support, and efficiency in enhancements. The Prescription Benefit Management system supports the business operations of tens of billions of dollars annually.
* I worked on an RFP regarding Architecture, Strategy, and Service to a global giant Drugmaker. I led the evaluation, comparisons, and recommendations on AutoML tools available across industries, their strength, weaknesses, and applicability in various use cases. I led the RFP on AWS migration of the Group Benefits system.
* For a Business Insurance frontrunner in the USA, I worked on the analytics framework Model-as-a-Service in Digital ecosystems, which supports actuarial, predictive, and decisive models and their execution (NodeJS stack, PCF, DevOps, etc.) Change Point Hot-spot detection tool is built to detect anomalies and find a correlation in revenue (Python, PCF, AWS). PoC on Containerization JEE middleware application into Kubernetes-Docker on PCF.
* I designed a major modernization of the Central Research Unit of a Global Pharmaceutical leader, including cloud migration, portfolio analysis, performance testing, upgrade, and disaster recovery planning. I created various Architectural diagrams and roadmaps. I proposed a solution design on analytics and machine learning in the domain of Regulatory Requirements.
* I designed and architected a Web-and-BPM solution for a leading Pharmacy company, Fortune 10, in a large digital modernization project, and led a large development team of 6 vendors. The project budget was about 50 million, multi-year; improved prescription processing efficiency by 20%.

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| **Enterprise Architect, Technology Manager** | **Deloitte**  **Mar-2015 to Jun-2017** |

**Customers: The State of Connecticut**

* Enterprise Architect in designing and delivering large-scale Enterprise Applications in multi-year, 9-figure budget Project implementation. The State of Connecticut Department of Social Services (DSS) is implementing a new Integrated Eligibility System (ImpaCT), in addition to ConneCT system, in all 13 DSS offices and several external entities to handle all aspects of eligibility and administration of DSS programs and services. The web-based Health and Human Services Eligibility System framework product from Deloitte Consulting provided the basis for ImpaCT.
* Responsibilities included Solution Design, Infrastructure Capacity Planning, high-level Technical Architecture design, planning Technology Upgrade, planning Performance Testing and tuning, Interface Design, Product Evaluation, Configuration Management Plan, Release Management Process, Change Management Process, Incident Management Process, Problem Management Process, defining Operations, Monitoring of Infrastructure, Application, and Performance.
* On-site Client interfacing, design and plan presentation, deliverable document review, managing stakeholders and driving decisions, project communication, and tracking within technology track and cross-track. Interact with CXO level, middle management as well as technical support on the ground.
* Played well-rounded IT consultant, putting on multiple hats of Architect, Designer, Project Manager, Troubleshooter, Client Relationship Builder, and Delivery Goal Achiever.
* Following are some key indices describing the scale of the ImpaCT solution – 200+ Webpages, supports Business Processes of 150+ Health and Human Service Programs, 45+ interfaces (including Federal Agencies), 2000+ Business-Entity-Relationship Modeling, 800+ Batch Programs, 1000+ Simultaneous Business Users, 36+ Environments for various testings, OLTP Database Size 1+ Terabytes, 5+ Deloitte Consulting tracks, multiple Vendors, multiple State Agencies.

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| **Technical Project Manager** | **Cognizant Ltd.**  **Jan-2010 to Mar-2015** |

**Customers: The Hartford, Voya, Mass Mutual, Manulife (John Hancock)**

* I turned around the “Group Benefits” Application Portfolio in terms of Technology Currency, starting from a 12% up-to-date level to reach about 60% level, in a span of 2+ years, along with performance improvements, application stabilization, cloud migration, and best practices of maintenance, code management, and deployment. The total budget of projects running in parallel exceeds 5 million dollars, including Infra cost.
  + I managed multiple Technology Upgrade Projects, the complete technology stack of Hardware, Software, and networks; end-to-end complete Project Life Cycle, as a Hartford Project Manager, working as Cognizant consultant in CT, USA.
  + I manage multiple vendors in all life cycle phases of a project, starting from pre-define. Coordinated across various other projects running in parallel on the same applications.
  + I led a Project on Cloud IaaS migration and upgrade of BPM-and-Content-Management tool Filenet. Several Products and Cloud Solution Vendors were evaluated before the project progressed into execution mode.
* 1.6. I completed successfully the Performance Tuning and Infrastructure Upgrade of a complex. Net-based Web Application, using Infrastructure, Framework, and Code-Design improvements, collaborating with high-end technology experts of Cognizant, Microsoft, and IBM.
* 1.6. I performed a re-engineering of the Java Web Application into JSF, an AJAX-based modern technology platform after proposing and evaluating several solution designs.
* I contributed to Annual Budget Planning, IT Strategy, Solution Architecting, and bringing Process Improvements.
* I performed a consultancy on Captive Strategy through market research and analysis, a comparative study of alternatives.
* On productivity Improvement across the entire Hartford, I pioneered an idea worth $6 million of annual cost savings.

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| **Technical Project Manager** | **Tech Mahindra**  **Aug-2002 to Jul-2007** |

**Customers: Walgreens, BP**

* I led a project for British Petroleum®, which has a portfolio of Applications for Inventory Control and Supply Chain Management. The responsibility includes complete ownership of Support for these Applications within the Service Level Agreement, and the managing of Enhancements Requests, new Development, etc. The portfolio is worth around $1.5 million of the annual budget.
* My role includes managing a team of 18 members, across geographies, tracking activities, coordinating with Business Analysts and Third-Party Vendors, Monitoring Incidents, Milestone Reporting, Estimation, Solution Proposal, Project Planning, and Task Allocation, and Quality Assurances are included in my day-to-day responsibility. The technology of applications includes .Net, C#, SQL, Oracle, Java, MS-Access, ColdFusion, PowerBuilder, Mainframe, UNIX, and DB2.
* The systematic approach in delivery following quality processes brought client satisfaction and appreciation. Best practices such as the usage of Automated Code Review tools added to client delight. I have been proactive in spotting opportunities for business processes as well as Quality Process Improvements and building Client confidence and project size.
* I took the initiative to help the Corporate PMO of Walgreens® in implementing the "Plan-view Support" web application. The Web Application interface with Remedy Tracking Tool for various requests. The innovative design saved cost and time.
* I played the role of Technical Lead in the Project Next Generation Point-of-Sale of Walgreens®
* I evaluated several Products and developed a Proof of Concept along with a Gap analysis. Alongside, certain Walgreen-specific components were developed independently to fit the product into Walgreens® existing Systems and Operations in a generic way.
* We developed the Integration Layer Module for several Backend System Interactions. Designed, developed, and presented an indigenous Monitoring tool that was appreciated.

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| **Technical Lead, Project Lead** | **Infosys Ltd**  **Aug-2002 to Jul-2007** |

**Customers: Allstate, Aetna, Northwestern Mutual**

* I led a Global Delivery team for the Development of a New Business Quoting tool for Allstate® Corporation. The J2EE technology-based application had a challenging delivery model comprising multiple development teams executing parallel delivery towards rapid development of various functionalities in a single Architectural Platform.
* I coordinated between various stakeholders, monitored ongoing progress, and coordinated the issue resolution when milestones were not met.
* I conducted design review, code review, defect prevention, and process improvement.
* I led of Offshore Development team for Aetna® Medical Management System, based on J2EE. The system keeps track of Patient Data for Health Care Service providers.
* Designed, developed, re-designed, and tuned Performance for the Sales Tracking System (STS), which is a Web-based interface for Aetna® Salespersons to enter and monitor data regarding sales.
* I designed and developed components of the Centralized Overpayment Processing System, for Aetna® Inc. with very high quality and in record time.
* I designed and developed System of Record, a data management middleware, for Northwestern Mutual® with zero defect delivery on time.

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| **Software Engineer** | **Computer Associates and The Chatterjee Group**  **Jul-2000 to Aug-2002** |

**Customers: Computer Associates**

* Developed and designed various components of Computer Associates® Products including
* SSO Unix Client of e-Trust Product Family, E-Catalog Component, E-Commerce Suit based on Jasmine-ii, XML Wrapper for Jasmine ODBMS, C and C++ programming.

# Education:

| Degree | School | Year | Remarks |
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| **Post Graduate** Program in **Artificial Intelligence and Machine Learning** | Red McComb School  Of Business, University of Texas Austin. | 2021 | CGPA 4.29. I ranked number 1 among worldwide students of working professionals.  <https://olympus1.mygreatlearning.com/gradesheet/NWRUHEEA> |
| Online Course in Machine Learning | Coursera, Stanford Online | 2020 | <https://www.coursera.org/account/accomplishments/verify/K6TSZYJWNL5F?utm_medium=certificate&utm_source=link&utm_campaign=copybutton_certificate> |
| Certified Scrum Master | cPrime | 2015 |  |
| Managerial Excellence Program | Fuqua School of Business, Duke University | 2008 |  |
| Project Management Professional | Project Management Institute | 2008 | PMP certification and continued PDU |
| **Bachelors of Technology (Honors)** | Indian Institute of Technology, Kharagpur | 2000 | CBS news: [technologistshttps://www.cbsnews.com/news/imported-from-india/](https://www.cbsnews.com/news/imported-from-india/)  <https://www.iit.org/page/about-iit> |
| Other certifications are listed below | | | |

# Certification:

* Cyber Security intermediate 2025, from Hexavarsity, - Apr 2025
* Long-Term Agentic Memory with LangGraph, from DeepLearning.AI - MAR 2025
* Practical Multi AI Agents and Advanced Use Cases with crewAI!, from DeepLearning.AI - MAR 2025
* Get started with Databricks for Generative AI, from Databricks - Dec-2024
* Reinforcement Learning from Human Feedback, from DeepLearning.AI - APR 2024
* Challenge project - Microsoft Copilot for Prototyping and MVP Creation, from Microsoft - APR 2024
* Fundamental AI Concepts, from Microsoft - APR 2024
* Examine the Copilot for Microsoft CoPilot Design, from Microsoft - APR 2024
* Implement Copilot for Microsoft CoPilot, from Microsoft - APR 2024
* Prepare for Copilot for Microsoft 365: Part 1 - Design and prerequisites, from Microsoft - APR 2024
* Red Teaming LLM Applications, from DeepLearning.AI - APR 2024
* Advanced Retrieval for AI with Chroma from [DeepLearning.AI](https://www.linkedin.com/company/deeplearningai/) - JAN 2024
* TruEra AI Quality Workshop - Mar 2023
* Introduction to Generative AI - Coursera - Sep 2023
* Azure Form Recognizer - 2022
  + Create a composed Form Recognizer model
  + Extract data from forms with Form Recognizer
  + Perform Cloud Data Science with Azure Machine Learning
  + Plan a Form Recognizer solution
  + Use prebuilt Form Recognizer models.
* Coursera, Stanford Online course in Machine Learning - 2020
* AWS Machine Learning - 2020
* AWS Sagemaker Certificate - 2021
* AWS: ML on AWS for ML Practitioners - 2020
* INS 21 - 2006
* Brainbench Java 4 - 2007
* LOMA 280

**Additional Activities:**

* Ipresented the Paper “Actionable Business Insights using Machine Learning Models”, in the international seminar organized by the Society of Statistics, Computer, and Applications; 2022.
* I voluntarily developed a Public Website (Solirisites.com) to guide common people and policymakers about high-risk COVID-19 zones of cities, using machine learning geo clustering on the latest COVID-19 patient data. - 2020
* I volunteered to help set up technology roadmap and reference architecture for several startup companies.
* I mentor within the organization and in public groups. I write blogs. I am a member of Global IIT AI/ML Forum.

**AWARDS and HONORS:**

1. My current employer Hexaware won the **"AI Implementer of the Year 2024"** award at the NY AI SUMMIT: <https://newyork.theaisummit.com/aiconics-awards-2024/ai-implementer-of-the-year>, Dec-2024
2. My project on Generative AI Chatbot assistant won the **“Innovation of the Year”** award in the customer organization, a global healthcare insurance payor, June 2024. This pioneering Generative AI project, is frequently highlighted in senior executive presentations. The project's Chatbot AI Assistant boasts an accuracy of 99.9% and an average response time of 0.4 seconds, surpassing industry benchmarks.
3. The above project won the “**NASSCOM AI Game-changer”** award, India’s Most Prestigious AI Award (<https://nasscom.in/ai-gamechangers/>), in 2024.
4. The above project was nominated in the “Building with AI” category for the Microsoft Partner Award, in 2024.
5. Champion Consultant Award. Issued by Wipro; in Oct 2023

Recognition Message: Sanjib was instrumental in setting up Gen-AI Architecture in the client environment, guiding all developers’ teams to successfully implement Gen-AI Use case(s). He helped the business team to understand how best they can use Gen-AI to ease their work and save on cost. Resulted in approximately 1 million dollar SOW signed for Gen-AI Use Case implementation, leveraged Wipro best practices in Gen-AI space.

1. Victory League Award. Issued by Wipro. Sep 2023. Recognition Message: Thank you for all the difference you are making. Without you, our success would not have been possible.

Hashtags: #ImpactPlayer #Achiever #Leader

1. Ace of Initiative Award Issued by Wipro · May 2023.

Award for presentation to practice as part of the presentation initiative.

1. Token of appreciation

Issued by General Manager, Wipro Ltd · Mar 2022, associated with Wipro Limited:

Thanks for your leadership and dedication. Keep up the spirit and enjoy this small token of appreciation.

1. Winners Circle, issued by Wipro Ltd · Sep 2021.

Appreciation for developing the Payment Reconciliation use case solution in record time.

1. Certificate of Recognition, Issued by Infosys Ltd · Oct 2019
2. Employee Stock Ownership Program, issued by Infosys Ltd
3. Certificate of Applause Award, issued by Deloitte Consulting LLP · Feb 2017
4. Certificate of Applause Award, issued by Deloitte Consulting LLP · Jul 2016
5. Extra Miler Award, issued by Cognizant · Aug 2013
6. Spot Award, issued by Cognizant · Nov 2011
7. Bravo award, issued by Tech Mahindra (formerly Satyam) · Jan 2008
8. Pat-on-back, Issued by Tech Mahindra (formerly Satyam) · Jan 2007
9. Exceed all expectations rating in the annual appraisal, issued by Infosys · Oct 2003
10. National Scholarship, issued by the Government of India · Jun 1996

Merit-cum-means scholarship based on Academic Performance in the Board Exam, after 12th standard. Then, I qualified in top schools of Medicine and Engineering in competitive entrance exams.

**Corporate Social responsibilities:**

* I am affiliated with various non-profit organizations to promote child education, digital education, specially-abled children, and youth welfare.
* I mentor various teams, present in knowledge-sharing forums, and write blogs

**Residency Status:**

* Citizen of the USA
* Overseas Citizen of India