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# Master of Science in Applied Data Analytics

*Boston University | March 2022 - September 2024*

Data Science, Machine Learning, AI, Big Data Analytics, Statistics, Mathematics, Computer Science

# Bachelor of Science (B.Sc.) in Physics

*University of Calcutta | January 1994 - December 1997*

With over 25 years of experience in application development, including two decades immersed in Wall Street banking technology, I bring a wealth of expertise to the table. My journey has recently taken an exciting turn towards data analytics, data science, and ML engineering, complementing my proficiency in application design and development. As a seasoned developer, I thrive on challenges, having navigated both greenfield projects and complex brownfield enterprise environments throughout my career. My track record of success, evident in my resume, underscores my ability to adapt and excel in dynamic, high-pressure settings.

I am deeply passionate about staying at the forefront of technology, particularly in cloud computing, containerization, and the captivating realm of AI and ML. My hunger for new challenges remains insatiable, driving me to sharpen my skills each day and embrace continuous learning as a core strength. Beyond personal growth, I find immense fulfillment in sharing knowledge and aiding others in their professional journeys. This spirit of collaboration and mentorship fuels my motivation, propelling me forward as I embark on new endeavors and contribute to transformative projects in the ever-evolving landscape of technology.



# Senior Architect - Data Science Application

*CitiGroup, Jersey City, New Jersey, United States | March 2023 - Present*

 Consulting for Global Market Sales Technology group, focusing on supporting, enhancing, and architecting solutions within a proprietary CRM ecosystem.

 Utilizing technologies such as C#, Python, PySpark, ML, Angular, ECS Openshift, Elastic ELK, APM, CI/CD etc to develop tailored solutions for complex business needs.

# Vice President

*Credit Suisse | October 2014 - March 2023*

 Lead architect and Dev in SP Risk Technology.

 Tech stack: Python, ML, PySpark, SparkNLP, Databricks, C#, ASP.NET, TIBCO EMS, SQL, etc



Python, Statistical Learning Pyspark, MLlib, SparkNLP Databricks, GCP Dataproc

C#, ASP.NET, Angular, Typescript

SqlServer, MongoDB, Oracle, Sybase, Tibco EMS, Redis

Docker, Kubernetes, OpenShift ECS Lightspeed CI/CD, Udeploy, Jenkins Elastic ELK, APM

Github, Bitbuket

EE, Blackduck, Sonar

Visual Studio (Code, 2022), Spyder

, Jupyter, R Studio WEKA, JMP Pro, R

# Lead Developer Architect

*CitiGroup | May 2013 - October 2014*

 Lead architect and dev for Event Management System for Global Market Sales Technology

 Tech Stack: ASP.NET MVC, C#, SQL Server etc

# Lead Developer

*Credit Suisse | May 2011 - May 2013*

 Design, Developed, and implemented a Pre Trading System for All MBS Desks  Tech Stack: C#, Sybase, TIBCO EMS, Infragistics etc

# Assistant Vice President

*Morgan Stanley | September 2009 - May 2011*

 Developed and Supported Bond Trading System

 Tech Stack: C# 3.5, Win Form, Infragistics 8.3, Java MSGQ etc

Deeplearning, TensorFlow, Keras

# Senior C# Developer

*Multiple Companies | June 2001 - August 2009*

Merrill Lynch - Developed CDS trading system, Dec 2007 - Aug 2009 AIG - Developer Portfolio Management System, May 2006–Dec 2007 SocGen - Developer Compliance (Empl Trading), Jan 2006 - May 2006 CSFB - Developer PnL Reporting System (Opera) - Jan 2005 - Jan 2006 Gamut Infosystems India - Developer ERP - June 2001 – Feb - 2004