AMOL SALUNKHE

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# <https://amolsalunkhe.github.io/aboutme/>

**EXPERIENCE**

**American Express, NY, USA**

*(Market Leader in Credit and Financial Products)*

**Staff Architect Machine Learning Platforms Dec 20 –**

* Led architecture, development and adoption of Concierge Intelligent Assistant—Enterprise wide Realtime Hyper-personalization Framework.
* Drove the vision, blueprint, architecture, and development of key modules of the Machine Learning Model Governance Framework with a special emphasis on Self Service tools for Model Explainability & Fairness
* Evangelize the Machine Learning Platform and create a Machine Learning Community by leading Enterprise Machine Learning Competition and running a Machine Learning Skunkworks Club.

**Food Service Enablers, NY, USA**

*(Market Leader in providing fully integrated Go-To-Market/CRM platform for Food Manufacturers & Brokers)*

**Chief Analytics & Data Officer Oct 16 – Nov 20**

* Led the (re)development of the Machine Learning & Predictive Analytics Product Portfolio
* Championed the entire SDLC of 11 multi version multi module products available as SaaS in the Cloud.
* Helped the company successfully retain 32% revenue-at-risk due to absence of advanced analytics and helped win marque fortune 50 customer with new analytic products.

**Integral Information Systems LLC, NY, USA**

*(Pioneer in high end enterprise wide Business Intelligence & Performance Management Software in HealthCare)*

**Chief Technology Officer Oct 13 – Oct 16**

**Director of Product Development Nov 04 – Oct 13**

* Joined the company in the second year when it had only one paying customer and 3 employees, worked for 12 years.
* Led the tech team through all the different phases: a very early stage startup though several rounds of funding to a CMMI level 4 in prep for a Gartner-Top2 company using the technology platform to a thriving company.
* Developed enterprise wide Analytics & Data Mining software for hospitals and physician practices that has helped them manage the revenue and care management goals collectively of over 1/7th of the population of the USA and helped in bringing an accountable change by recording a collective savings of $750M.
* Helped create a bleeding edge platform with substantial IP and a stable SDLC with a geographically diverse developer workforce.

## EDUCATION

# **University at Buffalo, Buffalo, New York, USA**

**PhD**, Computer Science and Engineering / CDSE, expected graduation December 2021\*, completing dissertation titled “*Rocket Fuel Chemistry Tabulation using Deep Neural Architectures*”

**Master of Science**, Operations Research/Decision Sciences/Industrial Engineering, September 2004

**RELEVANT PAPERS & PUBLICATIONS**

* “*Machine Learning Framework for Chemistry Tabulation and Lookup*” ( <https://bit.ly/3gHeRfZ> )
* “Application of *Deep Neural Networks to Learn Species Conservation Equations*” ( <https://bit.ly/3q3PSrv> )
* “*Server, server in the cloud. Who is the fairest in the crowd?*” (<https://arxiv.org/abs/1711.08801>)
* Provisional P*atent for an innovative multidimensional query* paradigm (<https://bit.ly/2tTOtrB>)
* Master’s Thesis: “*Estimating the location of a curve in bounded two-dimensional space*” (<https://bit.ly/3cMJyzA>)