



## APTHAB MOHAMMED

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Hyderabad, India

### PROFILE SUMMARY

- Data Science/ Advanced Analytics Leader with a fast-paced career record of **13+ years in Data Science & Analytics, Strategy & Consulting and Program Management.**
- **5+ years of Leadership** roles in data science with successful record of establishing and developing Data Science/ Analytics teams from scratch and moving them up the “Analytics-Engagement Ladder”.
- Experienced in various industrial domains such as Banking, Insurance, Healthcare, Manufacturing and Technology.
- Experience of working with C-Suite (CTOs and CIOs) of the clients while helping them achieve their digital agenda.
- Successful record of driving worldwide large programs and leading global teams in the advanced analytics space.

### EDUCATION

MBA.	IIT Madras	8.54 CGPA out of 10	2011
B. Tech [Electronics Engg.]	SIT, J.N.T. University	77.2%	2006
Class XII	Gowtham College, Vijayawada	90.2%	2002
Class X	St. Xavier's High School, Eluru	80.8%	2000

### TECHNICAL SKILLS

- Programming Languages – Python, SAS, SQL, Java
- BI Tools – Tableau, Microsoft Power BI
- Cloud Platforms – AWS
- Productivity / Project Management tools - Microsoft Office – Jira, GitHub

### TECHNICAL SKILLS

**Company:** Tiger Analytics Consulting Ltd

**Duration:** Feb 2020 –Till date

#### **Associate Director – Analytics Consulting**

- Part of Leadership team leading large team of data scientists, consultants and data engineers on advanced analytics, machine learning and AI projects.
- Expertise in setting up teams and practices for different clients, taking care of account management and end to end delivery of a variety of analytics programs and initiatives.
- Responsible for client engagement, delivery and revenue management.
- Experience leading client workshops and initiatives to assess analytics opportunities and challenges, identify use-cases and estimate business impact (ROI).
- Played the role of Solution Architect and Consulting Leader on complex engagements spanning multiple technologies and skill areas – Analytics/ ML and Data.
- Experience engaging with executive/VP level stakeholders from client's team to translate business problems to high level analytics solution approach.
- Experience in talent management at scale – recruitment, training and resource planning based on the analytics project pipeline.
- Strong working knowledge on various ML/AI models and techniques–Segmentation & clustering, XgBoost, Random Forest, decision trees, logistic regression, Natural Language Processing (NLP), etc.
- Strong knowledge and understanding of AWS cloud platform and big data systems – Hadoop HDFS, Hive.

**Company: Accenture**

**Duration: Jun 2011 – Jan 2020**

**Manager – Analytics**

- As a Project Manager and Machine Learning SME, delivered multiple projects in the Predictive Analytics space spanning across multiple clients and domain areas
- Leading team of Data Scientists, Data Engineers and UI Developers working on various Machine Learning projects spanning across Python, Tableau, Power BI in the areas of classification and regression
- Have contributed hands-on in Python Machine Learning projects for multiple clients
- Have also supported multiple engagements as a Solution Architect building proposal to Machine Learning related RFP opportunities responding the various clients
- AI Business Value Insight (DBVI) – Part of core team for in Conceptualizing & developing an AI strategy tool to help clients pursue AI Journey. The framework leverages the BPM framework with all the processes tuned to suit the AI flavour. The tool is used to evaluate the As-Is processes of clients and identify potential AI/ ML implementation opportunities that can generate additional revenue and cost optimization for the client
- Managed multiple development projects with mid-sized teams, from concepts through to successful delivery and maintenance.
- Involved in directly managing the stakeholders of multiple projects – project team (developers/business analysts/testers), project sponsor(s), business owners, and users.
- Coordinated with the Client and Onsite teams to understand business needs of clients and implemented solutions. Participated in sessions with stake holders and system users to collect the Software Requirements specifications

**Company: AI Education Startup – India**

**Duration: Jun 2018 – Feb 2019**

**Part-time Consultant (non-profit)**

- Associated with a startup in the Artificial Intelligence/ Machine Learning space as a part-time consultant on a need basis helping them develop their course content- theoretical & hands-on.
- Provided expertise in multiple techniques for
  - Regression & Classification modelling – Classical & Advanced
  - Clustering
  - Deep Learning models (Neural Nets)

**Company: Infosys Technologies Ltd.**

**Duration: Oct 2006 – Jul 2009**

**Software Engineer**

- Worked on multiple Web Application development projects as a Java developer and coordinated with an experienced MIS team (client) in developing solutions to the problems faced in the smooth functioning of the product.
- Also worked on JavaScript development, as well as experience working with HTML, JSP, EJB, Eclipse
- Acted as the Quality Team Leader – with responsibility for the high quality in the artifacts delivered by the team – prepared the coding standards, checklists – liaised with clients and internal Quality Assurance teams and ensured the team's conformance to the set quality standards.
- Managed Traceability Matrix to trace business requirements, functional requirements and use cases.

**ACCOMPLISHMENTS**

- Won 'Best Employee' award in 2008 in recognition of contributions to the project.

**KEY PROJECTS HANDLED (recent projects)**

- **Credit Risk Analytics model development and validation, BI projects for a leading U.S. Credit Bureau:** Led the client program for developing/ enhancing multiple custom consumer credit risk models. Led efforts in validating model performance for specific banking/ financial institution needs as well as part of the annual model maintenance. Led the business insights team to generate insights and dashboards on U.S consumer credit industry as well as on product adoption/ performance.

- **Risk of Hospitalization predictive analytics solution for a U.S. health insurance provider:** Led the team to develop and deploy a machine learning model that predict who among the client customer base are likely to be hospitalized in next 6 months.
- **Power Plant Predictive Asset Maintenance (3PAM) Project:** The project was aimed at building a model that predicted the failure of critical plant machinery for a large Utilities Client using machine learning and generating timely notifications based on failure probability. The data was fed into a custom dashboard and integrated into COTS Enterprise Asset Management software which was further handled by Plant Engineer to initiate immediate action to avoid break-downs and optimize the planned maintenance. The project gained high visibility with in Accenture as well as Client Leadership and opened avenues to explore Machine Learning opportunities with the client
- **Product Price Intelligence Project for Chemicals Major:** This was a large Project involving multiple teams. Client requirement was to have a one stop portal that makes smart suggestions for sales and procurement department, production capacity tracking, AI and ML powered system to predict future price of raw materials to be procured and finished products to be sold so that its results in cost savings for procurement team and increased revenue for sales teams.
- **Deal Win probability system:** The project involved building a Machine Learning Model that predicts the probability of winning a client opportunity taking into account a wide range of data ranging from Client relationship, past wins, price points, competitors and various other key deal attributes and providing suggestions on the areas to focus to increase the win probability of the opportunity. This is integrated into Accenture's global sales tracking system and is being leveraged across all geographies.
- **AI led AM for COTS:** The project involved building a system based on Machine Learning model that analyses the ticketing data in application maintenance projects for COTS/ packaged implementation projects and identifying/ proposing solutions automatically based on past resolutions delivered. This system was integrated into Accenture's internal myWizard tool which is a key offering across all Application Maintenance projects.

## PROFESSIONAL ACHEIVEMENTS

- Six Sigma Green Belt Certified Professional.
- Won Pratibha award from Govt of Andhra Pradesh for academic excellence in X – standard
- Achieved 98 %ile in CAT - 2009