Praneeth Bellamkonda

DATA SCIENTIST

6y Work Exp.	10+ Projects	3+ Awards	6+ Talks

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KEY MOMENTS

B.Tech in Electronics Engineering	Data Engineer	M.S Engineering Management-Data Science	Data Scientist	Sr. Data Scientist
Acharya Nagarjuna University	Tata Consultancy Services	Northeastern University	Charles River Laboratories	Charles River Laboratories

Past — Present

| 2007 / 2011 | 2011 / 2014 | 2014/2016 | 2016 | 2018 |
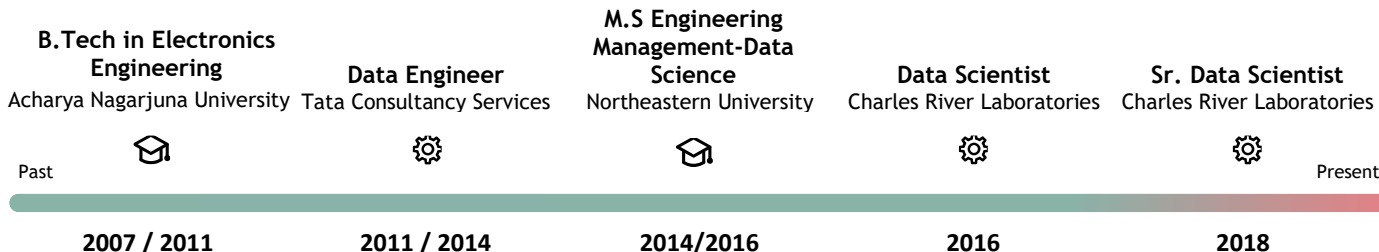
WORK EXPERIENCE

📅 Jan 2016 – Present   📍 Boston, USA

Sr. Data Scientist - Charles River Laboratoires

- **Rodent Social Behavior AI Engine**: CNN, Transfer Learning, Keras, OpenCV, DSVM

  Built state of the art deep learning solution to understand animal behaviors and tracking in real-time. Processed over 18+ hours of video footage with 97% accuracy.

- **Salesforce Opportunity Scoring**: Apache Spark, Azure Data Factory, AML, Power BI

  Improved sales teams' efficiency in achieving their quota by 20% focusing on most promising opportunities using Opportunity Scoring ML Model.

- **Customer360**: Azure Data Factory, Apache Spark, Power BI, Azure DevOps

  Integrated over 100K+ siloed customer's data from 8+ sources and provided end-to-end customer journey to executives, sales teams & relationship managers through interactive Power BI dashboard and enabled customer experience simpler, smarter and personalized.

- **Revenue & Rodent demand forecasting**: Time-series forecasting, Regression, RNN, R

  Reduced the production cost by 5M for fiscal years 2017 & 2018 and saved ~45K animals every year from being discarded.

- **Digital Pathology**: CNN, PyTorch, OpenCV, DSVM

  Shifted the paradigm of imaging data analysis from labor-intensive manual image segmentation tasks to a AI-based analysis. Estimated $10-20M/yr for a "early read" and $2M/yr of improved utilization of pathologists.

📅 Nov 2011 – Aug 2014   📍 Bangalore, INDIA

Data Engineer/Analyst – Tata Consultancy Services

- **Enterprise Data Warehouse Hadoop**: Informatica, HDFS, Sqoop, Pig, SQL Server, SSRS, R

  Redesigned and developed an inhouse Hadoop data warehouse, built ETL Pipelines to migrate 200+ GB of history data from 6 source systems to the Hadoop data warehouse. Enabled data integration faster and flexible and provided high-value reporting.

- **Log Management/ Analytic tool**: Python, Shell Script, Spark, HDFS

  Developed an enterprise solution to analyze Apache Tomcat / Catalina logs of ~ 50 Linux servers to reveal errors (memory leaks, dblocks) and prevent problems which affect the application server performance.

CERTIFICATIONS

- **Udacity -** Deep Learning with PyTorch   Mar 2019
- **Udacity -** Deep Learning Nanodegree Foundation   Feb 2018
- **edX -** Scalable Machine Learning with Apache Spark   Aug 2017

ABOUT ME

6 years experienced Data Scientist/ Engineer with thorough hands-on experience in developing Machine Learning, AI applications from concept to completion. Passionate about turning ideas into reality.

SKILLS

Programming
R, Python, Java, SQL, Shell Script

Machine Learning/ Deep Learning frameworks
Scikit-learn, Caret, H20, MLlib, PyTorch, Keras, TensorFlow, OpenCV

Machine Learning/ Deep Learning Techniques
Descriptive/Inferential statistics, Feature selection, Dimensionality Reduction, Ensemble, Optimization, CNN, Transfer Learning, RNN, LSTM

Visualization
PowerBI, Tableau, ggplot2, matplotlib, bokeh, Seaborn, Apache Superset

Data Integration
Azure Data Factory/Data Flow, Azure Databricks, Talend, SSIS

Distributed Computing
Apache Spark, Apache Hadoop

Cloud Computing
Microsoft Azure, AWS, Google Cloud Platform

Tools & Systems
Azure DevOps, Docker, Kubernetes, Git, Eggplant

AWARDS & RECOGNITIONS

- Placed 2nd in New England Machine Learning Accessibility Hackathon hosted by **Microsoft.**
- Placed 2nd in Digital Health Deep Learning Challenge hosted by **Pfizer.**
- Placed 1st in Azure Cloud Hackathon hosted by **Microsoft.**