

## Manoj Barasu Badhe

[www.linkedin.com/in/manoj-badhe-data-scientist](http://www.linkedin.com/in/manoj-badhe-data-scientist)

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### PROFILE SUMMARY

Data scientist with a strong mathematical, management background and experience in business analytics, machine learning, and statistics.

### TECHNICAL SKILLS

Machine Learning: Classification, Regression, Clustering, Feature Engineering, Decision Tree, Neural Nets, Genetic Algorithms, Association Rule learning, Artificial Neural Network

Statistical Methods: Time series, Regression models, Hypothesis testing and confidence intervals, Principal component analysis, Feature selection

Software and Programming Languages: Python, R, Rapid Miner, Microsoft Excel, Statistica, Minitab, SigmaPlot, Weka, XLMiner, SigmaXL, Tableau, PowerBI

### CORE COMPETENCIES

Data Mining	Business Intelligence	Exploratory Data Mining
Machine Learning	Text Analytics (NLP)	Classification
Statistical Modeling	Predictive Analytics	Clustering
Design of Experiments	Time Series Analysis	Data Visualization

### ORGANISATIONAL EXPERIENCE

**April 2016- Present, Right Steps Consultancy, Pune as Data Scientist**

Responsibilities-

Data Mining	Statistical Modeling	Predictive Modelling
Text Analysis	Machine Learning	Business Intelligence

**Projects Handled-**

1. Bad debt prediction for small loans lending company.
2. Churn analysis and cross sell, upsell prediction for telecommunication company.
3. POC preparation for Bank Churn analysis.
4. POC preparation for Market Basket Analysis.
5. Root Cause Analysis for network based cloud computing systems.

**Nov 13 –May 15, Total Business Management System Pune as Senior Business Analyst**

Responsibilities-

Six Sigma Implementation	Statistical Analysis	Data Visualization & Business Intelligence
Data Mining	Business Analytics	Project Management Methods Implementation

**May '09- Jun'10, Chaitanya Biological Pvt. Ltd., Malkapur (Quality Assurance Department) as Asst. Microbiologist**

Responsibilities:

SOP Audits	Batch Quality Management	Batch Sampling	Quality Assurance Audits
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Highlights:

Sterility Testing	Microbial Limit Test	Microbiological Documentation	Microbial Assays
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### ACADEMIC PROJECTS

Title: High Rate of Algal Biomass Production for Food, Feed, Biochemical and Biofuels

Description: The rate of algal biomass production was optimized by optimization of physio-chemical parameters of photo-fermentation. The efficiency of different photo-bioreactors was characterized.

Title: In-Sillico Analysis of Protein Kinase 2 and Protein RhopH 3 of *Plasmodium Falciparum*

Description: In-sillico studies like antigen-antibody interaction, docking, antigen surface studies were done.

## SUMMER INTERNSHIP

Title: In-Vitro Production of L-Dopamine from *Mucuna Pruriens* Callus

Description: Many physio-chemical parameters were optimized in-vitro production of L-DOPA. Callus production and maintenance parameters were studied.

## EDUCATION

2012 M.Tech (Biochemical Engineering and Biotechnology) from IIT, Kharagpur

2012 MBA (Project Management) from SMU, Manipal

2009 M.Sc. (Biotechnology) from University Department, Jalgaon, North Maharashtra University

2007 B.Sc. (Biotechnology) from M.J. College, Jalgaon, North Maharashtra University

## CERTIFICATIONS

2013 Six Sigma Black Belt from Indian Statistical Institute, Pune

2012 Business Analytics and Data Mining from Indian Statistical Institute, Pune

2013 Quantitative Project Management from Indian Statistical Institute, Mumbai

## WORKSHOPS

2007 Fermentation Technology: Tools and Techniques Workshop from Institute of Life and Environment Sciences, Nasik

2007 Immuno-technology Diagnostic Biotechnology Workshop from Institute of Life and Environment Sciences, Nasik

2007 Genetic Engineering: Tools and Techniques workshop from Institute of Life and Environment Sciences, Nasik

## PAPER PRESENTATION

- The Project: 'High Rate of Algal Biomass Production for Food, Feed, Biochemical and Biofuels' was presented in an International Conference of High rate of algal biomass production for food, feed, biochemical and biofuels.

## ACHEIVEMENTS

- Achieved 89<sup>th</sup> all India rank out of 11,300 in GATE 2010 with 99.47%
- Accomplished National and State Level Examinations in English Language, Drawing and Talent search.
- Successfully qualified the State Scholarship Examination held in 4<sup>th</sup> and 7<sup>th</sup> Standard.

## EXTRAMURAL ENGAGEMENTS

- Served as an active member of:
  - An Organizer Team of International Conference at North Maharashtra University, Jalgaon in 2008.
  - Core team leader of Rangoli Committee for Illumination Event of VS Hall at IIT, Kharagpur in 2011.
  - Member of organizer team for Vedh Parivartanache, Annual Science and Technology Exhibition in 2009.
  - P.G. Representative for Training and Placement at School of Life Sciences, North Maharashtra University in 2009.

## PERSONAL DETAILS

Date of Birth: 3<sup>rd</sup> April 1985

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