

## Contact

[www.linkedin.com/in/nehhal-patel-data](https://www.linkedin.com/in/nehhal-patel-data) (LinkedIn)

## Top Skills

Clinical Trials

Data Analysis

Software Documentation

## Certifications

The Data Scientist's Toolbox

How Google does Machine Learning

Sas Certified Base Programmer for SAS 9

Certificate of Achievement, Microsoft Project

Certificate of Completion - Minitab Quality Trainer

# Nehal Patel, MS

Data Scientist at CyberCoders  
Orange County, California Area

## Summary

Versatile data scientist focused on industry changing results. Experienced in machine learning, model deployment, statistical methodology, and people management. Employed for 9+ years in roles focused on delivering data driven solutions.

- Technologies:

⇒ Python, Bash, R, SQL, NoSQL, Tableau

- Cloud:

Google Cloud (GCP), AWS, Azure

- Methods:

⇒ Extracting data from unstructured sources

⇒ Natural Language Processing (NLP)

⇒ Time series forecasting (ARIMAX & VAR)

- Machine Learning:

⇒ Supervised predictive modeling (Multivariate Regression, Logistic Regression, SVM, Random Forest, Gradient Boosted Trees, etc.)

⇒ Unsupervised Modeling (k-means, EM, DBSCAN, etc.)

⇒ Deep learning (CNNs, RNNs, Reinforcement Learning)

⇒ Keras, TensorFlow, ( pytorch training ongoing )

- Genomic Analysis Tools:

⇒ R/Bioconductor, Partek Genomics Suite, Ingenuity Pathway Analysis

- Image Processing:

⇒ ImageJ, Definiens, Edge and Object Detection

---

## Experience

CyberCoders

## Data Scientist

October 2017 - Present (2 years 6 months)

Orange County, California Area

- Lead all data science activities and provide updates to C-level leadership.
- Use high degree of initiative to define priorities for the data science team through end user interviews
- Architect and deploy Google Cloud Platform (GCP) based machine learning models that actively process and rank resumes based on predicted organizational fit
- Design and deploy models to improve every part of the staffing process
- Use time series modeling to provide personalized recruiter performance metrics for management

## Allergan

Biological Research Associate II

January 2017 - October 2017 (10 months)

United States

- Utilize machine learning and image analysis methodologies to programmatically analyze histology slides to leverage limited pathology resources.
- Use predictive modeling to calculate in-vivo performance to reduce resource requirements.
- Develop new analysis methods for large genomic/ proteomic data sets to support next generation product development.

## Allergan

3 years 4 months

Biology Professional

November 2014 - December 2015 (1 year 2 months)

Irvine, CA

- Developed Java plugins and macros for ImageJ that allowed biological researchers to quickly analyze batches of study images.
- Advised colleagues on sample size, randomization, and power calculations to avoid inaccurate conclusions and wasted resources.
- Utilized parametric and nonparametric statistical methods to analyze non-clinical study data to drive medical device innovation.
- Communicated research findings in presentations and reports for use in publications, marketing materials, and regulatory submissions.

- Managed and tracked statistical needs of the medical device research group to strengthen communication with biostatisticians and improve resourcing forecasts.

#### Associate Biology Professional

September 2012 - November 2014 (2 years 3 months)

Medford, MA

- Design and manage protocols to generate statistically relevant data to determine the safety and effectiveness of medical devices.
- Analyze study data and report significant findings for use in marketing materials and regulatory submissions.
- Maintain study data to ensure proper archival and systematic retrieval.
- Design and execute laboratory work that includes physical, biomechanical, histological, and morphometric analyses.

#### BioClinica

##### Associate Project Manager

March 2011 - August 2012 (1 year 6 months)

- Provided support and independently managed a variety of clinical trials for clients in the medical device and biotechnology industries.
- Managed the development of software in an agile environment used to track and read clinical trial data.
- Utilized SAS macro programming to eliminate redundant reporting and improve client communications.

---

## Education

#### Texas A&M University

Master of Science (M.S.), Statistics

#### Penn State University

Bachelor of Science (BSc), Life Science

#### Penn State University

Minor in Business Administration