

PHANI ATMAKUR

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Technically skilled Data Scientist and Python developer with a proven track of model building, data analysis, reporting, data visualization, database designing and having a strong focus on machine learning, data science practices, data analytics and computer vision.
I am currently seeking a position that offers room for professional progression and continuous learning.

EXPERIENCE

JULY 2018 – PRESENT

DATA SCIENTIST, INSTITUTE OF ENVIRONMENTAL SCIENCE AND RESEARCH (ESR), CHRISTCHURCH, NEW ZEALAND

- Built Shiny dashboard (R, leaflet maps) for Microplastics NZ research project.
- Built machine learning models in Python using scikit-learn to estimate microbial samples, classifying types of coliforms in drinking water.
- Scraping research papers and web resources using requests and BeautifulSoup libraries to extract data, data cleaning using regular expressions, data preprocessing and modelling.
- Involved in data science accelerator programs in the organization to mentor other scientists, help create visualization dashboards, databases and implemented machine learning algorithms like decision trees, support vector machines, regression techniques.

JUNE 2016 – JULY 2018

BI DEVELOPER/LIS SYSTEMS SUPPORT ANALYST, CANTERBURY HEALTH LABS, CHRISTCHURCH, NEW ZEALAND

- Built a predictive analytics dashboard web application using Python and Flask framework to monitor number of samples collected and tests performed in the Biochemistry laboratory in real-time.
- Built a barcode labels printing (1D and 2D) windows application using Python for laboratory sample and aliquot tubes.
- Built a web application using Django framework that downloads medical form image from medical network and adds a barcode digitally on to the form using Python-OpenCV and PILLOW libraries.
- Created SSRS reports, built ETL pipelines, SSIS for data sources integration. Supported LIMS (laboratory information management system) database and created SQL reports.

SEPTEMBER 2015 – JUNE 2016

SOFTWARE AND SYSTEMS ENGINEER, AQUALINC RESEARCH LIMITED, CHRISTCHURCH, NEW ZEALAND

- Was the only IT engineer (software and systems) in the organization, involved in creating in-house web and windows applications, maintaining windows server infrastructure, active directory and exchange server.

- Developed a website in C# and ASP .NET about catchment information for farmers in New Zealand (<https://mycatchment.info/>).

JANUARY 2014 – SEPTEMBER 2015

SYSTEMS AND APPLICATIONS ENGINEER, CANTERBURY DISTRICT HEALTH BOARD & CANTERBURY HEALTH LABS, CHRISTCHURCH, NEW ZEALAND

- Created app-v (virtualization) application packages for windows infrastructure upgrade. Managed active directory, printer servers, DNS, DHCP, Linux printing, deployed virtual servers and machines in VMware ESX server.

EDUCATION

2012 - 2013

DIPLOMA IN ADVANCED NETWORK ENGINEERING (LEVEL 7), WHITIREIA POLYTECH, NEW ZEALAND.

Subjects: SQL, Linux, Networking, CCNA, Windows Server infrastructure.

2006 - 2010

BACHELOR'S IN COMPUTER SCIENCE, JNTU HYDERABAD, INDIA.

Subjects: Mathematics (Probability), Statistics, SQL, Programming, Unix/Linux.

SKILLS

- Python, R, C#
- Numpy, Pandas, Matplotlib, Seaborn, Plotly, requests, BeautifulSoup, scikit-learn
- SQL Server, MySQL, PostgreSQL, MongoDB, JSON
- Data mining & manipulation, Database designing
- Exposure of AWS, Azure, Google Cloud and Docker
- Flask, Django, ASP .NET
- HTML, JavaScript
- Machine learning and modelling
- ETL, SSRS, SSIS
- Shell scripting, PowerShell scripting
- Git and version control
- PowerBI, Tableau, Jupyter, RStudio, Shiny Dashboard
- Project management

ACTIVITIES

I try to blog my experiences or learnings from time to time, spend time over the weekends on new machine learning or data science projects. I am currently investing my spare time to learn deep learning, big data technologies and computer vision to upskill my knowledge.

REFERENCES

Available on request.