

PRATIK HOTCHANDANI

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<https://github.com/PratikHotchandani22>

OBJECTIVE

A Data Science grad student with 30+ months of experience in Machine Learning, Mobile app development with the ability to deploy and lead end-to-end products in the market. Seeking for Data Scientist / ML Engineer Intern / Co-op roles that challenge me to use my expertise in statistical analysis, and predictive modeling that drives business growth.

EDUCATION

Masters of Science in Data Science, Northeastern University (Current GPA: 3.83/4) Expected May 2025

Relevant Coursework: Introduction to Data Management and Processing, Supervised Machine Learning.

Bachelor in Computer Science, Vellore Institute of Technology, India, CGPA 8.49/10 2016 - 2020

Relevant Coursework: Statistics, Machine Learning, Web Mining, Linear Algebra, Differential Equations, Calculus.

PROJECTS

Parkinson's Disease Progress Prediction: The project aims to address the challenge of predicting Parkinson's disease (PD) progression using protein abundance data. The problem to be solved is identifying potential indicators of disease progression and severity that could contribute to future research and therapeutic approaches for PD. This project builds upon related work in the field of PD research, particularly in the area of protein and peptide analysis.

IR System for E-commerce product reviews : Built a tool that scrapes product reviews from E-commerce websites keeping the web crawler under robots.txt rules. The tool has the ability to store the scraped data in JSON, excel and can provide sentimental analysis results. The technology used: Python, Heroku, TensorFlow, and Scikit-Learn.

Facial and Emotion Recognition System : A Convolutional Neural Network that has successfully been applied to analyze visual imagery and identify emotions like Sad, Anger, Disgust, Happy, Neutral, etc. Fisher Face Classification algorithm is implemented.

EXPERIENCE

Software Engineer Jan 2020 - June 2022

West Pharmaceutical Services *Bangalore, India*

- Developed West Digital application for mobile and Desktop using xamarin.forms by adapting agile methodology.
- Led a team of 9 with 2 successful app releases accelerating app accessibility growth by 12%.
- Honoured with "By Your Side Award" from WEST, a testament of collaboration from users worldwide in high pressure and critical deadlines.

Technical Intern May 2019 - July 2019

Info Origin *Gondia, India*

- Redesigned web apps on ReactJs, focused on interface design improving over 75% of user experience quality.
- Wrote Junit test scripts for custom-made BI tools of Info-Origin, enhancing 45% of error handling codes.

SKILLS

- **Programming Skills :** Python(Matplotlib, Numpy, Pandas, Scikit-learn, Tensorflow, Keras, PyTorch), SQL, Terminal, R(GGplot2, dplyr, caret), C# , Xamarin.Forms.
- **Technical data skills :** Data Preparation, Data Visualization, Data Analysis, Machine Learning, Deep Learning, Hypothesis Testing, NoSQL, MongoDB, Excel.
- **Language :** Fluent in English, Hindi, and Sindhi.