PRASOON RAJ

Boston, MA | raj.pr@northeastern.edu | (857)-991-9119 | LinkedIn | GitHub

EDUCATION

Northeastern University, Boston, MA   **Sept 2023 – May 2025**
Masters in Professional Studies, Applied Machine Intelligence – 3.89 GPA   (Expected)
Relevant Courses – Introduction to AI, Predictive Analysis, Project Management

Kalinga Institute of Industrial Technology, Bhubaneswar, India   **June 2015 – May 2019**
Bachelors of Technology, Electronics and Electrical – 3.75 GPA
Relevant Courses – Object-Oriented Programming, RDBMS

SKILLS

Technical Skills:	Machine Learning, Deep Learning, Python, R, Flask, Django, NLP, VB Scripting, MySQL
Tools:	Microsoft PowerBI, MongoDB, SQL Server, Azure DevOps, Selenium, Postman
Certification:	Microsoft Azure Fundamentals (AZ-900)

WORK EXPERIENCE

Enquero – Genpact, Senior Data Scientist, Bengaluru, India   **Aug 2022 – Aug 2023**
Client – Leading US Retail Brand

- Developed a **machine learning model** for a leading retail brand to cluster articles based on similarity as well as availability in regions and find low-performing articles from similar article groups, which **reduced the production cost** by ~ **3%** for redundant articles and in turn resulted in **increasing the net profit** by ~ **5%** overall
- Automated the entire sales and demand report generation process of articles across various regions in **PowerBI** using **Python** to **increase time efficiency** by **90%** and **reduce human effort** by **80%**
- Designed a Python script that can perform **end-to-end advance analytics** for **10+** problem spaces across multiple domains and integrated it with a **Flask API** to handle the user input and enable future application integration
- Trained **500 new interns** on **Deep learning** concepts and mentored them for **GenAI Hackathon**.

Accenture, Data Science Analyst, Bengaluru, India   **June 2019 – Aug 2022**
Client – Leading US Healthcare Company

- Developed a scrubbing tool using Python, Machine Learning, and **VB Scripting** for removing sensitive information about clients from various file types, which **200+** clients utilized for over **10,000** documents
- Enhanced the scrubbing tool for image classification by implementing a **4-layered CNN** model using **TensorFlow-Keras**, which **reduced human effort by 70%.** The image classification was later further improved by replacing the CNN model with the **YOLO** module, which in turn further decreased manual effort by another **15%**
- Designed an API based on **Django** Framework, which uses **NLP** concepts to identify attributes based on user inputs and fetch smart results based on identified attributes which was later incorporated into 5 different platforms
- Engineered a dashboard by applying **logistic regression** on a dataset with **10,000+ rows** of data to determine different attributes and used them to gain insights and later visualize it using PowerBI
- Generated multiple reports for **3000+ employees** by performing web scraping on the Accenture internal portal, fetching employee information, and processing them using **Selenium**, **Beautiful Soup**, and **OpenCV**

PROJECTS

Credit Card Fraud Detection   **Nov 2023**
Relevant Skills – R, Machine Learning, Data Visualization

- Implemented a fraud detection model using R and Machine Learning for over 250000+ rows and 25+ attributes
- Utilized multiple models such as Logistic Regression, Decision Trees, Neural Networks, etc, and chose the best one based on multiple metrics and the sustainability of models
- Leveraged diverse methods to identify fraudulent transactions and assess model performance through visualization