

RAJAT RANJAN

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Current Location: Pune, India

Objective:

To pursue a challenging career and be a part of progressive organization that gives a scope to enhance my knowledge and utilizing my skills towards the growth of the organization and self.

Experience Summary:

- Company:** EdgeVerve (An Infosys Company) (Nov, 16 – Present)
Designation: Senior Systems Engineer
Current Role: Data Scientist
- Company:** Infosys Limited (Jun, 16 – Nov, 16)
Designation: Systems Engineer Trainee

Core Competencies:

Technologies	Python, Flask, Keras, TensorFlow, Data Pre Processing, Data Manipulation, Data Visualisation, Classification & Regression, Predictive Modelling, Natural Language Processing, Competitive Programming, Microservices, Java, Gradle
Databases	My SQL , Mongo DB
Tools	Jupyter Notebook, Anaconda, Postman, JIRA, PyCharm, IntelliJ Idea, MS Office
Others	GIT, Jenkins, Bamboo, GitHub, Bitbucket
Functional	Client Engagement, Showcase activities, Sprint Planning and review, Retrospectives, Creative Thinking

Certifications:

- **Python for Data Science & Machine Learning BootCamp** - Udemy
- Machine Learning by Andrew Ng - Coursera
- **Machine Learning Developer Summit 2019**
- AMCAT Certified
- Certificate of Excellence by Techgig for Machine Learning Hackathons (Code Gladiators 18)
- **EV Super league** – Best Performer Certificate consecutively for two quarters and High Performer award at EdgeVerve

Awards & Achievements:

- **1st** at **CRISIL Machine Learning Hiring Challenge'19** for Information Text Extraction
- **Top 21** finalist in **YES Bank Datathon** for providing Machine learning based Banking Solution.
- **3rd** in **Brainwaves 2019** Machine Learning Hackathon by **Societe Generale**.
- **11th** in **LTFS FinHack Machine Learning Hackathon** among thousands of participants.
- **Top 5** in **MachineHack** Global Leaderboard.
- **Top 30** in **Analytics Vidya** Global Leaderboard Rankings.
- **3rd** in **Edelweiss Hackathon Machine Learning** organised by Hackerearth.
- **Top 25** ranking in **Crowd Analytix Hackathon** - Propensity to fund Mortgages.
- Ranked under 25 in many Hackathons organised by Analytics Vidya.
- Gold Level Badge in Hackerrank Problem Solving and Python sections.
- Appreciations for Client Showcase activities.
- Ranked among top 5000 best coders in Techgig Code Gladiators and Code Chef.
- Competitions Contributor in Kaggle.

Projects

Project 1	Credit Risk Evaluation
Description	<ul style="list-style-type: none">➤ Effective risk management on the borrowers overall ability to repay a loan.
Roles & Responsibilities	<ul style="list-style-type: none">➤ Data Visualisation of important domain specific variables and providing insights.➤ Feature generation of problem specific variables.➤ Developing models to best assess the profitability and reduce risks using customer data.➤ Recommend different strategies and design for model pipeline➤ A/B testing
Application Tools	Jupyter-Notebook, Plotly, Seaborn, Python, PyCharm, Classification Models

Project 2	Information Extraction from Legal Documents
Description	<ul style="list-style-type: none">➤ Information Extraction of important clauses in an ISDA document and to develop predictive modelling so as to reduce human effort.
Roles & Responsibilities	<ul style="list-style-type: none">➤ Predictive pipeline to be implemented consisting of different stages such as cleaning, feature selection etc.➤ Developing ML based models for high accuracy predictions of different legal clauses.➤ Feature engineering and understandability of domain specific knowledge➤ More than 60% of human effort was reduced and the combined

	accuracy of trained models skyrocketed to 77% for selected clauses.
Application Tools	Jupyter-Notebook, Python Scripts, Beautiful Soup, Seaborn, Python, PyCharm, NLTK, NLP, Modelling, Classification

Project 3	Customer Retention Using Recommendations
Description	<ul style="list-style-type: none"> ➤ Analytics based solution for Customer Churn by recommending customer centric products using recommendation engines.
Roles & Responsibilities	<ul style="list-style-type: none"> ➤ Customer centric products were recommended using content based and collaborative based filtering to the customers which were likely to churn. ➤ Build models using customer past transactions, idle time, churn rate etc
Application Tools	Jupyter-Notebook, Seaborn, Python, Modelling, Hybrid Recommendation Systems

Projects Undertaken - Self

Project 1	Sentiment Analysis
Description	<ul style="list-style-type: none"> ➤ Dynamic UX (Full stack Machine Learning) embedded with ML models to predict customer feedback sentiment over web.
Application Tools	Web Server using Flask, Model Deployment using Heroku, Github, Python, NLTK, RESTful Web Services

Project 2	ML Models as Scalable Micro Services
Description	<ul style="list-style-type: none"> ➤ Generic API for regression and classification using embedded models over web to cater different datasets with integrated pipeline.
Application Tools	Python Scripts, CircleCI, joblib, RESTful, Heroku, Git

Project 3	Innoplexus Hiring Hackathon by Analytics Vidya
Description	<ul style="list-style-type: none"> ➤ Sentiment Analysis for drugs/medicines ➤ Used Keras for Text classification using LSTM, GRU and other

	pretrained vectors with Kfold with 53% F1 score
Application Tools	Jupyter-notebook, Kaggle, Github, Python

Project 4	Game of Deep Learning by Analytics Vidya
Description	<ul style="list-style-type: none"> ➤ Image Classification for Ship categories ➤ Used Keras for Image classification using Transfer learning with custom loss function with 97% F1 Macro score
Application Tools	Jupyter-notebook, Kaggle, Github, Python

Qualifications:

S. No	Board	University/ Institution	Year	Percentage/ CGPA	Class
1.	B. Tech in Computer Science & Engineering	G.I.T.A. Bhubaneswar	2016	8.49	First
2.	XII Board – CBSE	D.A.V. Hehal , Ranchi	2012	89.2%	First
3.	X Board – CBSE	Surendra Nath Centenary School, Ranchi	2010	9.6	First

Links:

- **Github:** <https://github.com/rajat5ranjan/>
- **Analytics Vidya:** <https://datahack.analyticsvidhya.com/user/profile/rajat5ranjan>
- **MachineHack:** <https://www.machinehack.com/members/rajat5ranjan/>
- **Hackerearth:** <http://www.hackerearth.com/@rajat5ranjan>
- **Portfolio Website:** <https://rajat5ranjan.github.io>
- **LinkedIn:** <https://www.linkedin.com/in/rajat-ranjan24/>
- **Kaggle:** <https://www.kaggle.com/rajatranjan/>

Declaration:

I hereby declare that all the above information mentioned regarding me & my credentials are true to the best of my knowledge.

Place: Pune

(Rajat Ranjan)