

# RAJAT RANJAN

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**Current Location:** Melbourne AU

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## 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:

- Deputee :** ANZ Australia (Melbourne) (Nov, 19 – Present)  
**Designation:** Developer (Australia)  
**Company:** EdgeVerve (An Infosys Company) (Nov, 16 – Nov,19)  
**Designation:** Senior Systems Engineer (Pune)
- Company:** Infosys Limited (Jun, 16 – Nov, 16)  
**Designation:** Systems Engineer Trainee (Mysore)

## Core Competencies:

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

### Awards & Achievements:

- **1st at CRISIL Machine Learning Hiring Challenge'19** for Information Text Extraction
- **Intel Edge AI Scholarship Winner 2019**
- **Top 21** finalist in **YES Bank Datathon** for providing Machine learning based Banking Solution.
- **3<sup>rd</sup> in Brainwaves 2019** Machine Learning Hackathon by **Societe Generale**.
- **11<sup>th</sup> in LTFS FinHack Machine Learning Hackathon** among thousands of participants.
- **Top 5 in MachineHack** Global Leaderboard.
- **Top 30 in Analytics Vidya** Global Leaderboard Rankings.
- **3<sup>rd</sup> 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.

### Certifications:

- **Python for Data Science & Machine Learning BootCamp** - Udemey
- 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

## Projects

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

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

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

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

#### Projects Undertaken - Self

<b>Project 1</b>	<b>Sentiment Analysis</b>
<b>Description</b>	➤ Dynamic UX (Full stack Machine Learning) embedded with ML models to predict customer feedback sentiment over web.
<b>Application Tools</b>	Web Server using Flask, Model Deployment using Heroku, Github, Python, NLTK, RESTful Web Services

<b>Project 2</b>	<b>ML Models as Scalable Micro Services</b>
<b>Description</b>	➤ Generic API for regression and classification using embedded models over web to cater different datasets with integrated pipeline.
<b>Application Tools</b>	Python Scripts, CircleCI, joblib, RESTful, Heroku, Git

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

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

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