

RAJAT RANJAN

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Current Location: Melbourne AU

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.

Professional Summary

Experienced System Engineer with a demonstrated history of working in the information technology and services/product industry. Skilled in J2EE Web Services, Python, React, Web Development and MySQL Database along with insights in Machine Learning. Strong and productive in Front end Applications. Experience in agile as well as waterfall models along with CI/CD using bamboo with a background in Banking Industry. Machine learning with experience in data wrangling, analytics and pre-processing and gaining insights using data visualisations with keen to build model that best fits the problem statement.

Experience Summary:

1. **Deputee :** ANZ (Melbourne AU) (Nov, 19 – Present)
Designation: Developer (Australia)

Company: EdgeVerve (An Infosys Company)
Designation: Senior Systems Engineer (Pune)

Projects

1. Distributed and loosely coupled application development of Internet banking using microservices. Maintaining release activities and restful API contracts.
2. Development in React/Redux, Spring boot, J2EE applications, python scripting, test API automation.
3. Evaluate effective risk management on the borrower's overall ability to repay loan with domain specific knowledge and insights using customer data with visualisations.

4. Analytics based solution for Customer Churn by recommending customer centric products using recommendation engines. Dashboarding done in React JS with backend data from model pipeline in Python. Documented findings.
5. Data analysis of used services in Banking industry, its feasibility and optimisation for new use cases.

2. **Designation:** Senior Systems Engineer (Pune, India)
Company: EdgeVerve (An Infosys Company) (Nov, 16 – Nov,19)

Projects

1. Customisation in Finacle Product development for ANZ internet banking. Developing microservices architecture in Java application and maintaining SQL scripts for release activities.
2. Performing Unit test, UAT for newly added services and creating proof of concept to integrate applications with third party services.
3. Information Extraction of important clauses in an ISDA document and to develop predictive modelling so as to reduce human effort. More than 60% of human effort was reduced and the combined accuracy of trained models skyrocketed to 77% for selected clauses.
4. Maintaining JIRA and updating user stories for better understanding of requirements aligned with Agile work flow.

3. **Company:** Infosys Limited (Jun, 16 – Nov, 16)
Designation: Systems Engineer Trainee (Mysore, India)

Projects

1. Web Based customer friendly clothing E commerce website using Angular, JAVA and web services as a full stack developer incorporation Agile workflow.
2. Python terminal Application for Cricket tournament Management system integrated with MySQL (OOP Framework)
3. Learning new technologies with Python, Machine learning and participation in hackathons.

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, React JS |
| Databases | My SQL , Mongo DB |
| Tools | Jupyter Notebook, Anaconda, Postman, JIRA, PyCharm, IntelliJ Idea, MS Office, VS studio code |
| Others | GIT, Jenkins, Bamboo, GitHub, Bitbucket, JIRA |
| Functional | Client Engagement, Showcase activities, Sprint Planning and review, Retrospectives, Creative Thinking, Design thinking. |

Awards & Achievements:

- **7th Rank in AWS Deepracer League** organised by ANZ.
- **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.
- **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 10 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

Certifications:

- **Python for Data Science & Machine Learning BootCamp** – Udemy
- **Machine Learning by Andrew Ng** - Coursera
- **Machine Learning Developer Summit 2019**
- **Intel Edge AI Scholarship 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 Undertaken – Self

- **Sentiment Analysis** - Dynamic UX (Full stack Machine Learning) embedded with ML models to predict customer feedback sentiment over web. Web Server using Flask, Model Deployment using Heroku, Github.
Tools: Python, NLTK, RESTful Web Services
- **ML Models as Scalable Micro Services** - Generic API for regression and classification using embedded models over web to cater different datasets with integrated pipeline.
Tools: Python Scripts, CircleCI, joblib, RESTful, Heroku, Git
- **Keras Transfer Learning** - Keras pretrained ResNet Model deployed on GCP with Front end in React to display the label of Images with its probability.
Tools: GCP, Python Flask, React, ML

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: Melbourne AU

(Rajat Ranjan)