

NEHASHREE PADHY

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WORK EXPERIENCE

TATA CONSULTANCY SERVICES LTD.

Mumbai, India| Jun,2016 – Present

Global Employee Self Services (GESS)

System Engineer

Jun,2018-Present

- Devised and executed a feature in project that recommended flights on the basis of previous data using **Neural Network models**
- Implemented a project using **Supervised Learning models** that predicted the claim heads by assessing the remarks entered by user
- **User segmentation** by using **k-means and k-mode clustering** to understand the behavioral data of their travel
- Free text analysis of open ended questions of a survey by using **topic modeling, k-means clustering**

Foreign Exchange module – Global Employee Self Services (GESS)

Assistant System Engineer

Jun,2017-Jun,2018

- Revamped the significant payment and settlement part of the module using **PL/SQL and SQL**
- Worked on enhancements and developments to make the system robust and stable
- Assayed the month-end activities like provisioning and expensing reports
- Developed backend mailers using XML and PL/SQL
- Ensured the **Customer Satisfaction Index** of **98%** in the past 3 years by working with distributed teams and business partners

Assistant System Engineer Trainee

Jun,2016-Jun,2017

- Developed a website on Hospital Management using Spring Framework and Java
- Gained hands-on experience on PL/SQL
- Worked on making reports and stored Procedures

PROJECTS

The Hottest topics in Machine Learning: Used Natural Language Processing on NIPS papers to uncover the trendiest topics in Machine Learning research. (Use of Pandas, Natural Language Processing- sklearn, manipulating dataframes, Python)

Image Loading and Processing: Distinguishing and identifying the images of bumble bee and honey bee by loading, transforming and understanding the images (Use of data visualization and Python)

Predicting Credit Card Approvals: To build a machine learning model to predict if a credit card application will get approved (Use of Supervised Learning with scikit-learn, Pandas, Python)

To find Movie similarity with Plot summaries: Using NLP and clustering on movie plot summaries to understand the movie similarity

SKILLS

PROGRAMMING LANGUAGES: ORACLE (PL/SQL), PYTHON, JAVA, JAVASCRIPT, HTML

MACHINE LEARNING: STRUCTURED AND UNSTRUCTURED DATA CLASSIFICATION, CLUSTERING, DATA MINING, NATURAL LANGUAGE PROCESSING, TENSORFLOW, NUMPY, PANDAS, SKLEARN

FRAMEWORK: SPRING, DJANGO, HIBERNATE

SOFTWARE TOOLS: ANACONDA, VISUAL STUDIO CODE, PLSQL DEVELOPER, ECLIPSE, MS-OFFICE, QLIKVIEW, MATLAB

EDUCATION

Bachelor of Technology in Electronics and Communication

Aug,2012 – May,2016

Amrita Vishwa Vidyapeetham, Bengaluru, Karnataka

CGPA : 8.0

COLLEGE PROJECT

Urban Change Detection (Nov, 2015- May, 2016)

- Comparison of non-parametric methods for detecting changes in land cover using remote sensing images and machine learning algorithms

ACHIEVEMENTS AND VOLUNTEER WORK

- Presented a seminar on “Finfet Technology” at Amrita School of Engineering, Bengaluru
- Volunteered in VLSI SATA Conference technically sponsored by IEEE, Bengaluru (Jan, 2015)
- Served as the secretary of the dance club (**Narthana**) at Amrita School of Engineering, Bengaluru
- Volunteered and taught a class of 35 students at Teach for India, Mumbai (Nov, 2016 – Jun, 2017)