PRADIPTA PARIYAL

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SUMMARY

- Strong fundamentals in developing algorithms and implementing Object Oriented Programming concepts
- Analyzed and processed complex data sets using advanced querying, visualization and analytics tools
- Excellent communication, presentation, analytical and problem-solving skills

EDUCATION

- **Masters in Computer Science,** University at Albany, State University of New York   May 2019
- **Bachelors in Computer Science Engineering,** Gujarat Technological University   June 2015

WORK EXPERIENCE

Digital Scholarship Assistant,University at Albany   Aug 2018-Present
- Responsible for developing and expanding the scope of digital scholarship services in University Library to increase collaboration and enable cost savings, shared expertise as well as timely referral service
- Offer workshops on various digital software methods and packages for Text Analysis, NLP and Data analytics

Software Engineer, Atos Pvt. Ltd., Pune, India   March 2016 - June 2017
- Developed web applications using Spring MVC framework and Maven using bootstrap, CSS, HTML, JS
- Integrated application with database and writing complex SQL queries to store and extract data
- Worked with RESTful web services for CRUD operations and access data in variety of file formats like XML, JSON
- Implemented using the Agile Software Development Methodology (JIRA) tool and version controlling using Git
- Written JUnit test cases and verified code quality using SonarQube

Software Intern, Indian Space Research Organization, India   July 2014 - May 2015
- Worked on Design,Analysis and Implementation of Fairness Algorithm for Satellite Mobile Radio Talk (SMRT) a satellite based system for providing communication during catastrophic events like floods, earthquakes, landslides
- Implemented the algorithms to resolve the issue of starvation, a disadvantage of priority scheduling using Core Java

TECHNICAL SKILLS

Programming: Java, MVC, Spring Boot,Spring data JPA, Android, Python   **Database Systems:** MySQL, Oracle, PostgreSQL
Web: HTML, CSS, JavaScript, Angular 5, Bootstrap, JSON, jQuery   **Operating Systems**:Windows,Ubuntu
Tools: Maven**,** JIRA, Git, Confluence, Postman, Jenkins, SonarQube,Amazon Web Services, Anaconda

ACADEMIC PROJECTS

Twitter Sentiment Analysis   March 2018 GitHub Link
- Used Sanders twitter dataset for sentiment analysis and preprocessed data to maintain data quality standards
- Involved in feature construction and building classifier model to distinguish whether the tweet is positive, negative, irrelevant or neutral using Machine Learning Algorithms in Python
- Partitioned data for k-fold cross validation and evaluated the performance using metrics like accuracy, precision and recall

Topic Modeling   April 2018 Github Link
- Aim was to extract good quality of topics from the textual-dataset that are clear, segregated and meaningful
- Implemented the Latent Dirichlet allocation(LDA) and Latent Semantic Analysis(LSI) models using python programming Dataset : Chat, Twitter Product reviews, News Dataset,Packages : gensim, pyLDAvis, matplotlib

Gender based POS tagging using Stanford NLP   Feb 2018 GitHub Link
- Worked on chat room conversations dataset and produced XML output for tokenizing, sentence splitting identifying the parts-of speech, lemma and named-entity recognition using Stanford CoreNLP tools
- Implemented algorithm in Java to calculate the usage of pronouns (gender-wise) in the dataset comprising of chat conversations

Go-Amigo   Jan 2018 - May 2018 GitHub link
- Developed Mean Stack based trip planner web app where user can create groups and travel together, search nearby, manage budget and upload photos
- My role was to create user interfaces for entire app,functionalities of Plan Trip module,integrating the Google Places REST API for autocomplete fields and google map integration for nearby restaurants, ATMs

PicShare   Jan 2018 - May 2018 GitHub Link
- Developed a social networking platform using Spring Boot where users can create posts in form of audio and image,post comments,receive notifications.Configured the database using Spring data JPA with MySQL and Amazon RDS
- Hosted the site on Amazon Web Service EC2 instance and media storage using S3 Bucket

CERTIFICATION AND AWARD

- Post Graduate Diploma in Mobile Computing from Center for Development of Advanced Computing, Pune, India Jan 2016
- Received the Anna Radkowski-Lee Graduate Assistantship Award and tuition waiver for 9 credits per semester for 2018-19