TIRTH PIPALIA

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- Passionate contributor with the ability to execute in a cross-functional team environment through integrity.
- Incorporate communication and problem-solving skills essential, to work in a fast-paced challenging environment.
- Proficiency in using Python, SQL, AWS Cloud Computing, vital to develop a simple solution for complex problems.
- Excellent analytical and interpersonal skills with zest to rapidly learn the innovative technologies.

WORK EXPERIENCE

Software Engineer   Jul 2020 – Present
Intive Limited – Dublin, Ireland

- Developing web application using Angular, Node.js MongoDB, ElasticSearch, Nginx, Express under Agile methodology
- Maintaining Production, Staging, Testing and Development environments using Docker, Docker-compose and Jenkins.
- Implemented live application monitoring system using cAdvisor, Prometheus and Grafana.
- Improvised performance by implementing Queue, RedisCache, and Docker container as application load balancer.
- Integrated technologies like Elasticsearch, WordPress, JFrog Artifactory and Mimer as per client requirements.

JP Morgan Chase & Co. Software Engineering Virtual Internship   Apr 2021 – May 2021
- Added multiple unit tests and fixed the client data feed script in 2 major functions and created patch file using Git.
- Set a system for React web application and installed dependencies using npm and fixed the broken typescript files.
- Contributed to the bonus task to meet the acceptance criteria for adding plugins to display 2 graphs for stocks.

TECHNICAL COMPETENCIES

Programming Languages:	Python, Java, JavaScript, SQL, Go
Web Technologies :	Django, Node.js, Angular, Nginx, REST API, Microservices, HTML, CSS
Tools & Technologies:	Docker, Kubernetes, Git, Linux, Tableau, Jenkins, JIRA, Confluence, Jasmine, Grafana
Database System:	MySQL, MongoDB, Elasticsearch, Prometheus, Redis
AWS Cloud Technologies:	SageMaker, EC2, RDS, Quick Sight, S3, ECS, CloudFormation, AWS CDK

EDUCATION

MSc in Business Analytics (2:1) Dublin Business School   Sep 2019 – Oct 2020
Relevant Modules: Cloud Computing, Computer Science, Machine Learning, Data Analytics ,OOPS, Requirement Analysis

Bachelor's in Computer Application (2:1) University of Pune   Jun 2016 – Mar 2019
Relevant Modules: Database Management, Software Development Lifecycle, Project Management, Agile Methodologies

PROJECTS

Django Travel Web Application
- Created REST API to transfer data effectively, based on MVC Model View Controller architecture in Django.
- Designed and integrated dynamic web pages from 2 Django Modules using technologies: Postgres, SQLite and Jinja.
- Debugged code for 4 methods: Create, Read, Update and Delete (CURD), using python Request's package.

Bus Transport Management System
- Developed software using Java, Java Applet, AJAX and SQL by implemented Microservices architecture.
- Integrated JDBC API to establish a successful Type 1 bridge using ODBC driver.
- Derived Agile Development use cases based on the 3 modules of the system: Admin, User, Transaction.

Statistic and Machine Learning Application: R, SHINY, RSTUDIO
- Programmed graphical charts plugins for 3 Probabilistic models and 3 Machine Learning models.
- Added 4 interactive descriptive analysis features essential to manipulate, transform and wrangle data.
- Integrated functionality of selecting 3 Machine Learning models: SVR, Linear Regression and Decision Tree.

Assimilation of Machine Learning and Cloud computing (THESIS)
- Integrated 5 cloud technologies of Amazon Web Service: EC2, S3, SageMaker, Budgets and CloudWatch.
- Programmed process of Extract, Load & Transform (ETL) for pre-processing of structured and unstructured data.
- Developed 5 Classification & 5 Regression Models for predictive analytics and forecasting based on 8 metrics.
- Achieved the best model as LightGBM that hyper tuned in 5.4 seconds and achieved an accuracy of 84%.

ACHIVEMENTS & CERTIFICATIONS

- Certifications: AWS Cloud Practitioner, Technical Support, Git and GitHub, Deep Learning, Google Analytics.
- Pymetrics 3 unique traits: Decision Making, Flexibility, Quick Learner.
- Published JAVA project paper in "International Research Journal of Engineering and Technology (IRJET).