Shubham Chaudhuri

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WORK EXPERIENCE

TATA Consultancy Services – System Engineer

- 4 years of experience in software development, design and maintenance, unit testing, gained working as a System Engineer in Tata Consultancy Services.
- Extensive experience in end-to-end development of software from requirement analysis to system study, designing, coding, unit testing and de-bugging.
- Managed TPA Management (Health Claim) module single handedly for 3 years in activities like – Development, Customer Query, and Production Support etc.
- Developed TPA Dashboard with real time data analysis by data visualization with stacked bar graph for Health claims using Dash and Plotly modules of Python.
- Strong communication, interpersonal and analytical skills with the ability to work in a fast-paced team environment and quick learner of new software technologies.
- Expert in coding complex and advanced PL/SQL programs using Oracle's Object- Oriented programming, collections, records, index-by tables, object types, Functions, Procedures, Exception handling, Views, Packages, Triggers and other methods.
- Worked in implementation of creating chatbot which provides information of Insurance Policy, Claim details and Payment tracker of claims.
- Worked in implementation of Image processing using AI in building model for License plate detection from car image and matching it with RC Book.
- Worked on Production Support with SLA timeline.
- Over 3 years of working experience in Insurance domain and Financial Services and its terminologies.
- Experience in web development using HTML5, Angular JS and MVC. Worked in converting Silverlight pages into HTML pages with Angular JS and MVC Architecture.

PROFILE

A **System Engineer** with more than 4 years of experience in the IT industry including Data Science, Machine Learning and expertise in working in Financial Services and Insurance projects handling large datasets. Hands-on experience in developing, monitoring, debugging, web developing, performance tuning and production support following Agile methodologies. Have Strong analytical and quantitative skills and ability to analyze patterns and trends in large data sets. Knowledge of Data Science, Machine Learning, Deep Learning, Python, SQL and NLP .

SKILLS

- **Databases:** Oracle 10g/11g/12c
- **SDLC Model:** Agile, Waterfall Model
- **Data Science:** Machine Learning, Deep Learning, NLP, Predictive Analysis , Regression , Classification
- **Cloud:** AWS
- **IDE's & Utilities:** Jupyter Notebook, PyCharm, PL/SQL Developer, Microsoft Visual Studio
- **Programming Languages:** Python, SQL
- **Scripting Languages:** HTML5, JavaScript
- **Defect Tracking Tool:** Web Prompt
- **Framework:** Bootstrap, MVC

ACHIVEMENTS

- **National Scholarship:** Recipient of National Scholarship (based on the merit list of Higher Secondary Examination 2012) from Department of Education, Ministry of Human Resource Development,
- **Outstanding performance:** Within my first year in TCS I had been awarded TCS Gems for outstanding performance as a production support member by keeping pending ticket count as 0.
- **TCS FS Ideathon :** Achieved TOP 10 spot in TCS FS Ideathon for given idea on – "Implementation of Blockchain in Insurance Claim processing".
- **Technical Excellence Award:** Received "Technical Excellence Award" from TCS for contribution in project in SQL, Python and HTML5.
- **Certifications:** Completed and acquired certifications on "Python for Machine Learning" , "Machine Learning" , "Deep Learning" , "Machine Learning Specialization" from E & ICT Academy , IIT Roorkee in association with Cloudxlab . Cognitive AI Certification by IBM.

ACADEMIC CREDENTIALS

Qualification	Institution	University/Board	Passing Year	Score
12th(WBCHSE)	Jenkins School	West Bengal Council of Higher Secondary Education (WBCHSE)	2012	90%
B.Tech(WBUT)	Techno India Salt Lake	West Bengal Institute of Technology (WBUT)	2016	8.5

PROJECTS

BαNCS: GENISYS CONFIGURATOR

Client: United India Insurance Company (UIIC)

Genisys Configurator is equipped with an entire suite of components to meet the complete needs of a typical insurance organization. Configurator comprises the following key components, which interact among themselves through well-defined interfaces

TPA Dashboard : In case of Health Claims, one dashboard is created using Python (Dash and Plotly) with real time data which will reflect performance of TPAs to customer. It was showing Average TATs for Claim Intimation, Settlement and Payment. Also it had Claim processing count per RO/ Region wise. It was real time data analysis by data visualization with stacked bar graph for Health.

License plate matching with RC Book: To make claim processing faster, this OpenCV project was done. It takes image of the number from car's number plate and match with RC book of that same Insured's record. Also it checks the given information is valid or not and the claim is not fraudulent. It reduces effort and cost of Intermediary to make the claim processing faster and cheaper.