Professional Summary

IT Professional with 3.5 years of experience in full software development life cycle, chat bot development and delivery of next-generation applications and customizable solutions.
I am seeking a company where I can use my experience and education to help the company meet and surpass its goals and I can improve my skills and will learn new technologies.

Get in touch!

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Aman Agarwal

System Engineer

Tata Consultancy Services Limited

Employment History

Senior Python Developer
TCS Research and Innovation Labs
Project - Intelligent Onboarding Solution (TCS iOB)
Noida | July 2022 - Present

- Developed Minutes of Meeting (MoM) Generator
- Involves in iOB virtual assistant development, deployment and support phases.
- Contribution to SoP document creation from mht and video file.

Senior Python Developer
TCS Research and Innovation Labs
Project - Artificial Intelligence for Contextual Master (SSA)
Noida | Jun 2021 - June 2022

- Auto extraction of entity concepts
- AI Recommendations to address imbalances in narrative
- Compute 'Application Score Index' for each CM story
- Document pre-processing script
- Parallelization of pipeline execution
- Clustering the CM stories based on pre-defined themes
- Visualization of datasets using Fusion Charts

Python Developer
TCS Research and Innovation Labs
Project - Semantics System and Knowledge Synthesis (SSA)
Noida | May 2019 - May 2021

- Development of **chatbot framework** i.e. conversational dialogue system that uses concepts of **Knowledge Synthesis** for intra-enterprise use to provide knowledge assisted QA engine.
- Data Harvesting for Knowledge Synthesis Framework.
- Create various training console commands.

Specializations

- Python
- Flask
- Django
- OOPS
- ORM Experience
- SQL
- SQLAlchemy
- PostgreSQL
- Knowledge Synthesis
- Git
- Pandas
- Fast API
- REST API
- Redis
- AWS
- JAVA
- Linux
- Chatbot Frameworks
  (Google Dialogflow,
   Knadia - TCS Internal)

Academic Attainment

Bachelor of Technology,
(Computer Science & Engineering)
KIET Group of Institutions, AKTU
2014 - 2018

- Developed components like **Data Housekeeping** for chatbot, **dialogue driven through Knowledge Graph.**
- Implemented **Data Ingestion in Knowledge Graph** using Audit Logs , File upload, APIs, etc.
- Developed **Bot Driven Dialogue** for various entity types of Knowledge Graph to resolve inconsistency among instances.
- Involved in various PoCs of clients like McKinsey, DGFT (GoI), LandMark Group,etc.

Release Engineer
TCS Research and Innovation Labs
Project - Semantics System and Knowledge Synthesis (SSA)
Noida | Sept 2018 - Apr 2019

- Developed **shell scripts and Python programs** for automation
- Manage **source code control system** and maintain documentation.
- Resolve **software issues** and develop an efficient deployment process.
- Support globally distributed teams.
- Maintain complete **IP Safe** activity for the product.
- Communicate releases related activities to all the stakeholders.
- Deployment and management was done for production environment of various clients like Landmark Group, McKinsey, MTN Group, Cainz, DGFT(GoI),etc. and TCS internal production environment.

Awards & Certifications

Received **ON THE SPOT AWARD** from **TCS HR Digitization Unit** for supporting throughout all releases.

Received **Technical Excellence Award** from **TCS MEA R&I** for providing technical assitance during various events displaying **KNADIA** chatbot framework.

Received **ON THE SPOT AWARD** from **TCS R&I** for successful completion of IP Safe for TCS internal chatbot framework.

Microsoft Certified Azure Fundamentals Certification