Parth Chudasama
Software Engineer

parthchudasama2@gmail.com

8879904075

Mumbai, India

linkedin.com/in/parthchudasama12

A result-oriented Software Engineer with experience in developing and maintaining software projects in production environments. Proficient in Python, AWS with familiarity in other programming languages and API access patterns. Collaborates effectively with team members and stakeholders to develop and implement holistic solutions to business needs.

EXPERIENCE

Software Engineer
Cactus Global

08/2020 - Present

Achievements

- Developed post-processing module using python that **reduced customer complaints** by **19%**.
- Developed a pseudo-data generation module for language translation model, improved **F-score(0.5)** by over **24%**.
- Worked with engineering leadership in solving and architecting solutions for challenging or complex site/software development issues.
- Worked with AWS team to optimize inference time of large transformer models and reduced cost by **10%** while maintaining accuracy of the model.
- Spearheaded migration from monolith to micro-services architecture, **reduced API latency by 30%** while maintaining cost.
- Spearheaded applied research initiatives in the team with more than 15 features shipped to production, with **excellent customer reviews.**
- Reduced time taken by CI/CD pipeline by **40%** using cache and other innovative approaches.
- Implemented telemetry for entire system using DataDog, developed live metrics dashboard for leadership.
- Mentored and led a team of 3 developers, consistently delivering quality solutions.
- **Tools & Technologies**: Terraform, AWS services: Lambda, S3, EC2, ECS, EKS, DynamoDB, API Gateway, CloudFormation, SQS; Python, Go, JIRA, CI/CD (CodeDeploy, Jenkins), CDK, FastAPI, Docker, K8, Redis, DataDog.

Junior Developer (Intern)
Ajackus

06/2019 - 08/2019

Technology Consultancy & Services

Tasks

- Developed web scraping pipeline to periodically refresh data using python.
- Developed Information Extraction module, capable of **extracting** relevant information from **unstructured text** with and accuracy of **85%.**

EDUCATION

Bachelor of Electronics & Telecommunication Engineering
University of Mumbai

06/2016 - 11/2020   *7.58 CGPA*

Relevant Courses

- Structured Programming Approach, Database Management Systems, Computer Communication Systems, Neural Networks & Fuzzy Logic.

SKILLS

Python · Java · JavaScript · Go lang · HTML · Machine Learning · Artificial intelligence · System Design · Git · SQL · NoSQL · NLP · REST API · NoSQL · Adaptability · IaC (Terraform and CDK) · CI/CD · Bash · Ownership · Collaboration · Agile Development · Leadership

CERTIFICATIONS AND RECOGNITIONS

Awarded 'Rising star of the year' for excellent performance at Cactus Communication.

'Machine Learning for business Professionals' by Google cloud - Coursera.

'Machine Learning Foundations: A Case Study Approach' by University of Washington – Coursera.

AWS Solutions Architect (In-progress).

PROJECTS

Automated test paper correction (06/2019 - 07/2020)
- End to end paper correction solution for Teachers/Universities.
- Developed using VueJS and Flask.
- Developed text comparison logic using Universal text encoder.

Speech processing based home automation (03/2019 - 05/2019)
- Automation hub using raspberry Pi.
- Integrated different voice assistants (google,Alexa etc) to control home appliances using voice commands.
- Published a technical paper in DJ Strike.

Classification of facial expressions using Machine Learning (01/2020)
- To investigate new methods for human computer interaction by combining information from the body language of the head to recognise the cognitive states and emotion using AI & ML.

INTERESTS

Fitness · Travel · Football · Puzzles · Skydiving