

ADITYA MULIK

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EDUCATION

Northeastern University, Boston, MA

Expected May 2023

Master of Science in Information Systems

University of Mumbai, Mumbai, India

May 2016

Bachelor of Engineering in Information Technology

TECHNICAL SKILLS

Programming Languages: Java, JavaScript & Python

Web Technologies: HTML, CSS, React, JSON, Node.js, RESTful API, ES6, Django/Flask, Ajax/Axios

Database: MySQL, Postgres, MongoDB

Tools & Software: GitHub, Git Cli, Bitbucket, Postman, SSH & Ftp, Jira, Ansible, Docker

Functional Skills: Agile Development, Test Driven Development, Requirement Gathering, API Documentation

Certifications: AWS Solutions Architect – Associate

EXPERIENCE

Northeastern University (College of Engineering) – Graduate Teaching Assistant, Boston, MA

Sept 2021 - May 2022

- Moved traditional approach of grading assignments manually which required multiple hours to automated grading using GitHub Actions & moving to GitHub Classroom which brought efficiency by 80%
- Helped professor for the course Design Patterns for assignment grading, arranging labs & keeping students updated about upcoming course requirements.

Adnet Global – Python Consultant (Freelancing), Remote

May 2021 - Sep 2021

- Worked as a freelance consultant wherein onboarded a product for streamlining the post-production media solutions and enhancing the efficiency of time tracking for the employees by 40%
- Created an in-house application for adding metadata to different image types by feeding large chunks of data at one go, which usually used to be done manually and the turnaround time reduced drastically by 70%

Decimal Point Analytics – Python Programmer, Mumbai, India

Jun 2020 - Sep 2021

- Migrated and created new APIs using Python's FastAPI framework in a span of 20 days with thorough testing by reducing the response time by 80% faster as compared to the previous version of APIs
- Created a custom visualization as per client requirements using JavaScript's D3 library and integrated with Microsoft Power BI, the client was pleased, and internal team were amazed as the requirement was long overdue and was completed by me in a very short timespan
- Integrated Microsoft Power BI dashboards to a legacy application being used by client which increased the overall productivity, which was accessed by over 1000 client customers, I was assigned to come up with a solution for the integration and was appreciated by the client

Intertrust Group – Linux System Administrator, Mumbai, India

Sep 2016 - Jun 2020

- Created and designed python scripts to automate a daily process for a client's business-critical application's data refresh which was initially driven by system administrators manually which was error-prone and brought efficiency to the process by a whopping 100% as the turnaround time reduced drastically
- Initiated the idea and created a dashboard with several visualizations using open-source Python Library "Plotly" which connected to various data sources of the infrastructure to improve monitoring and increased reliability by 30%

PROJECTS

The MENACE (ReactJS) – Associated with Graduate School (Academic Project | [Github](#) | [Demo](#))

May 2022

- A reinforcement learning based gaming application called the MENACE (i.e., tic-tac-toe) which learns from itself
- The MENACE plays the first move (O on the board) and the MENACE is rewarded for every win/ draw whereas punished for every game lost
- MENACE is trained on playing multiple games

IPTC Automation (Django, React) – Associated with Adnet Global ([Github](#))

June 2021

- Automated a workflow of adding metadata to images which usually required to be done manually using Adobe suit tools such as Bridge, Photoshop, etc.
- Created a web application using ReactJS & Django REST Framework using various tools & packages for automating the process which help reduced manhours by 60%