Adisakshya **Chauhan**

19B Block JB, Hari Enclave, Hari Nagar, South West Delhi, New Delhi, Delhi - 110064, India

 (+91) 750-959-6095 | adisakshya98@gmail.com | adisakshya.github.io | adisakshya | adisakshya-chauhan-a62920151 | adisakshya

Education

Bachelor of Technology in Computer Science and Engineering
Maharaja Surajmal Institute of Technology

Delhi, India
Aug. 2017 - Present

- Current Semester: 7th
- Current CGPA: 9.4/10 (Upto 6th Semester)
- Graduation: Jun 2021

Senior Secondary
Central Board of Secondary Education, Kendriya Vidyalaya Pachmarhi

Madhya Pradesh, India
Aug. 2015 - May 2016

- Percentage: 88.4%
- Stream: Science

High School
Central Board of Secondary Education, Army Public School Tezpur

Assam, India
Aug. 2013 - May 2014

- CGPA: 9.8/10

Experience

Software Development Engineer Intern
Triveous, Bangalore India

Remote
May 2020 - Sept. 2020

- Implemented multiple API microservices in Node.js NestJS following event-driven architecture and managed their deployments on AWS ECS.
- Built a scalable notification delivery system using Redis, FCM, AWS SNS, SES and SQS.
- Spin up a cost-effective, automated GitLab Runner setup on AWS that scales in/out on demand and also offers the possibility to switch off the entire stack at predefined time intervals to save costs.
- Implemented an image-caching server, to cache all images served by multiple clients and allow on-demand crop, resizing and flipping of images.
- Built a fully automated status-page for multiple services using Atlassian Statuspage, AWS Cloudwatch Events and Lambda.

Technical Mentor
Solve Foundation (Intellify/Indian Road Safety Campaign), New Delhi India

New Delhi, India
Jan. 2020 - Mar. 2020

- Mentored development of online web-portal and mobile application for National Science and Creativity Program (NSCP).
- Assisted the team in the design, implementation and debugging process whenever they felt stuck with something, irrespective whether in the front-end, back-end, APIs, android (mobile) or deployments.
- Managed the complete source-code version-control myself, to take care of all the conflicts and ensure proper merges of fixes, updates and features.
- Came up with an improved development methodology that was adopted by Intellify to smoothen the development-process, making it more efficient and trackable at the same time.
- Setup analytics for tracking and reporting NSCP website traffic that provided in-depth detail about visitors on the website.

Technical Intern (Python/Web Developer)
Intellify, New Delhi India

New Delhi, India
May 2019 - Jul. 2019

- Designed and implemented an user-based collaborative-filtering quiz-recommendation system for online quiz platform of the International Science and Creativity Olympiad (ISCO).
- Implemented REST API using Python for compiling and analysing the results for schools and students for all rounds in ISCO.
- Developed REST APIs, to present the result statistics on dashboards for the web-portal and mobile application.
- Designed and implemented front-end web-pages for Intellify website and exam portal using Bootstrap framework.

Software Development Engineer Intern
Bytescare, Noida India

Remote
Mar. 2019 - Aug. 2019

- Automated the process of privacy data collection and take-down procedures for content creators.
- Built a mail-caching, monitoring and processing system as REST API using Node.js, that processes all emails for a take-down request, applying NLP algorithm implemented using Python and Natural Language Toolkit (NLTK).
- The NLP algorithm along with other modules is used to classify the type of response for a take-down request email and monitor the mail conversation for every request.
- The algorithm for language processing is similar to sentiment-analysis but is customized to work with emails and uses a corpus of approximately 1,00,000 formal/informal and positive/negative responses.

Achievements

Aug 2020	**Google IT Automation Professional Certificate**, Certified in automating system administration tasks and applying automation at scale by using configuration management and the Cloud using Python.	*Online*
Jun 2020	**AWS Specialization**, Certified specialization from AWS on essential and core services, key security concepts, migrations and handling serverless applications.	*Online*
Mar 2020	**100 Percentile**, in Computer Science module of AMCAT exam, and according to my score I'm employable for profiles of Software Engineer - IT Services and Product.	*New Delhi, India*
Jan 2020	**First Position**, 2018-19 academic session, Maharaja Surajmal Institute of Technology.	*New Delhi, India*
Sep 2019	**First Runner Up**, Infosys Digital Makeathon 2.0 Chandigarh DC.	*Chandigarh, India*
Apr 2019	**Elite Certification**, Ranked in top 5% toppers in the certification exam for Data Structures and Algorithm using Python by National Programme on Technology Enhanced Learning (NPTEL).	*New Delhi, India*

Projects

Continuous Improvement

ANSIBLE, KUBERNETES, AWS, TRAVIS, KONG, DOCKER, NODEJS, TYPESCRIPT, POSTGRESQL *Summer 2020*

- Highlighted key concepts to scale, synchronize and secure event-driven microservices architecture.
- Provisioned an easily manageable infrastructure for event-driven microservices architecture utilizing IaC (Infrastructure as Code).
- Built fully-automated CI/CD pipelines for containerized microservices using Docker, Ansible, and Travis deploying microservices on Kubernetes.
- Extended the Kubernetes Ingress API using Kong Ingress Custom Resource to implement gateway level security for securing APIs across the Kubernetes cluster.

Custom URL Shortner Service

JAVASCRIPT, NODEJS, EXPRESSJS, DOCKER, NGINX, MONGODB, GITHUB ACTIONS *Spring 2020*

- A custom URL shortner service implemented as a REST API available as an independent microservice ready to be deployed under a custom short domain name.
- Node.js power the REST API, that serves the request for handling the short URLs and interaction with the database.
- Nginx handles the rewrite rules that take care of the redirection for short URLs.
- Test scripts for the API are written using Jest testing framework, used to perform end-point and unit testing.

Time Series Analysis

PYTHON, MATPLOTLIB (DATA VISUALIZATION), JUPYTER NOTEBOOK *Fall 2019*

- Implemented the powerful Auto Regressive Integrated Moving Average (ARIMA) model, that help understand and predict the behavior of dynamic-systems from experimental or observational data.
- This project explains a given time series based on its own past values, that is, its own lags and the lagged forecast errors, so that equation can be used to forecast future values.
- This project provide forecast on number of air passengers and can be extended to be used for more non-stationary data-sets like economic, weather, stock-price, retail sales, biological systems.

F.R.I.D.A.Y

PYTHON, NATURAL LANGUAGE PROCESSING, AIML, SPEECH-TO-TEXT, TEXT-TO-SPEECH *Fall 2019*

- Inspired from MCU, Female Replacement Intelligent Digital Assistant Youth (F.R.I.D.A.Y) is designed as a personal assistant.
- Capable of performing system-level tasks like reporting system information, memory utilization, performance statistics, send system into hibernate/shutdown/sleep mode, taking screenshots on screen, answer what's near-me queries, provides live weather information on users current location.
- Understands text as well as speech inputs.

Skills

Programming Languages	Python, Javascript, TypeScript, C++, C, JAVA, Assembly
Frameworks	Flask, Django, ExpressJS, NestJS, Electron, Bootstrap
Development Tools	Docker, Nginx, Jenkins, Travis CI, Ansible, Kubernetes, ELK, Node.js, Redis, Firebase, Scikit-Learn, Tensorflow, OpenCV, GitLab, GitHub, Cachet, Bash, Sphinx, Latex
Version Control	Git
Database	MySQL, PostgreSQL, SQLite, MongoDB, Amazon DynamoDB
Operating Systems	Linux, Windows
Cloud Technologies	AWS, GCP, Heroku
Search Engine Optimization	Google Analytics, Google Search Console, Google Page Speed Insights, Lighthouse
Languages	English, Hindi, French