PARAG SHAH

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EDUCATION

Northeastern University, San Jose, CA   Jan 2020 - Present
Master of Science in Computer Software Engineering   GPA - 3.7/4.0
Related courses: Data Structures and Algorithms, Web Development, Network Structures and Cloud Computing

University of Mumbai, Mumbai, India   Aug 2010 - Jun 2014
Bachelor of Engineering in Electronics and Telecommunications

TECHNICAL KNOWLEDGE

Languages:	Python, Java, JavaScript, Shell script
Web technologies:	Django, Flask, React.JS, REST API, HTML, CSS
Cloud/DevOps skills:	AWS, Terraform, Github Actions, Packer, Docker, CodeDeploy, Heroku
Databases:	MySQL, Postgres, SQLite, MongoDB, Oracle DB, DynamoDB
Other skills:	Linux, JMeter, Postman, Selenium, Github

PROJECTS

AWS DevOps Project   Jan 2021 – April 2021
- Built a scalable and secure cloud infrastructure with Terraform on AWS that supports auto scaling and load balancing
- Configured CI/CD pipeline for backend application that uses Github Actions and AWS CodeDeploy on EC2 and RDS instances
- Implemented custom AMIs using Packer, captured application-level logs across in AWS CloudWatch for troubleshooting and display metrics, used custom domain and SSL certificates to host the application

Book Library Backend application   Jan 2021 – April 2021
- Developed backend REST APIs using Python Flask and Postgres for users to manage their book library
- Deployed application on AWS EC2 and RDS instances and used DynamoDB, S3 for app related data and file storing

Django Blog Web application   Oct 2020 – Dec 2020
- Developed a blog post web app using Django and Postgres for users to create and update blogs
- Implemented custom email notifications to users using SMTP Email servers and deployed application using Heroku

Cloud Web scrapper   Nov 2020 – Dec 2020
- Created a Python Web scrapping script that fetches latest apartment offer details and notifies user on Gmail
- Uploaded script on cloud Ubuntu server and used cron jobs to schedule daily runs and track latest changes

Machine learning model for Amazon Food Reviews   Jan 2020 – Apr 2020
- Built a KNN model with Python and TensorFlow that predicts 500k food reviews into positive or negative with 85% accuracy

WORK EXPERIENCE

Hewlett Packard Enterprise, San Jose, CA
Software Engineer Intern   May 2021 - Present
- Devising an automation solution to calculate failover benchmarks for cloud storage arrays which helps improve efficiency
- Creating Python scripts for Nimble Cloud storage and working with Docker containers, REST APIs and MongoDB servers

Boku Inc., Mumbai, India
Software Test Engineer   Aug 2017 - Nov 2019
- Built a UI automation framework for 5 web applications utilizing Selenium and Python
- Developed API automation scripts for REST based Web Services using Python, JMeter and Postman
- Helped in creating shell scripts for QA deployments which helped reducing 80% manual tasks
- Collaborated with over 20 global carriers to facilitate mobile payments by conducting end to end API testing

Accenture Solutions Pvt. Ltd, Mumbai, India
Software Engineering Analyst   Jul 2014 - Aug 2017
- Automated a password management application using Selenium & Java saving 70% manual testing efforts
- Spearheaded entire QA process for 6 releases and performed ETL/Database testing for over 10,000 weekly customer data
- Designed a time validator tool with VB scripting saving over 50% weekly tracking efforts for project