

DHRUVIN SHAH

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EDUCATION

Robert H Smith School of Business, University of Maryland, College Park

January 2024 – May 2025

MS in Management Information Systems

K.J. Somaiya College of Engineering, University of Mumbai, India

October 2020

Bachelor of Technology in Computer Engineering with *Distinction*

(CGPA 8.4/10) top 25% of the course

PROFESSIONAL EXPERIENCE

Wolters Kluwer, Pune, India

October 2020 – November 2023

Software Quality Assurance Analyst – Business Intelligence and Business Warehousing

- Collaborated with stakeholders and business users to implement and test 7 new Data Marts, 3 Datalakes, 6 real-time services, and 24 dashboards resulting in improved data analytics capabilities and quality for the organization.
- Led a team of QA analysts in successful completion of projects across divisions like Health, Tax & Accounting, Finance and Legal with an 87% defect detection rate, ensuring high-quality data operations across all business functions.
- Initiated automation of Smoke and connectivity testing for Multi-Cloud Disaster Recovery Management for BI Application Servers, reducing manual efforts by 80% resulting in faster response times during DR scenarios.
- Leveraged Grafana and Timescale DB to build a data visualization solution for real-time Cloud Applications and Services monitoring, with 60% improvement in storage efficiency and an 80% reduction in query response times.
- Tools/Technologies used: Oracle SQL, Big Query, TimeScale DB, Business Objects, Power BI, Grafana, Tableau, Informatica PowerCenter, MDM, SAP BODS, IIB, Selenium, Tosca, JMeter, SAP ECC, Salesforce, NetSuite, SAP BW.

Freelance, Pune, India

January 2023 – June 2023

Cloud Solutions Developer

- Architected and developed a serverless cloud infrastructure for extracting information from scraped data from LinkedIn, Doximity, and Practice Link, resulting in annual savings of \$30,000 by eliminating multiple licensing expenses.
- Extracted actionable insights, pre-processed unstructured data, and constructed a comprehensive DataMart, that served as a central repository for doctors' profiles improving data accessibility.
- Built a comprehensive scoring algorithm incorporating factors like Experience, HPSA Score, social media, Education and Licenses, to assess healthcare professionals to facilitate strategic hiring of qualified doctors in shortage areas.
- Designed and implemented a lead generation pipeline seamlessly integrated with Salesforce, optimizing lead management processes for 200,000 leads per quarter.
- Technologies used: Python, AWS Cloud services:S3, Lambda, SQS, ECS, RDS, AppFlow

Everestek, Mumbai, India

April 2019 – August 2019

Intern – Automation Developer

- Created automated test scripts using Selenium WebDriver, Ruby on rails, and Cucumber, ensuring 82% test coverage for Regression to facilitate continuous integration saving 8 manual hours per release.
- Initiated the creation of reusable test frameworks and libraries, streamlining test case development and maintenance.

ACADEMIC PROJECTS

Lawgical, KJSCE, June 2019- May 2020

- Built a website to provide primary legal counselling in bail cases which takes legal scenarios as input and provides the chances of success and past legal precedents from similar cases.
- Conducted a comparative study of semantic and statistical NLP techniques of Feature extraction and their performance on predictive modelling using Machine Learning.
- Technologies Used: Python, Flask , Angular JS, Node JS, MongoDB

Doctophone, Digital Prescription from speech, Smart India Hackathon, January 2020

- Developed a cross-platform mobile application that leverages a smartphone's speech-to-text and applies NLP techniques to the raw transcript to create a structured prescription.
- Applied Named Entity Recognition and Parts of Speech tagging to extract the diagnosis, medication, and diseases accurately and integrated the algorithm on Flask API.
- Technologies Used: Flutter, Flask, Python, Firebase

EXTRA CURRICULAR ACTIVITIES

- Volunteered at Navgurukul a Non-Profit Organization. Taught Python Programming and mentored young students from underrepresented communities to build a career in the IT Industry. (August 2021- December 2023)
- Won District Level Chess tournament, Rotaract Club (July 2021) and Shield Cricket Tournament, KJSCE. (January 2019)
- Managed Logistics, venue, marketing, and budget for Sports Tournaments as the Coordinator, Student Council Organizing Committee, KJSCE for various events. (August 2017 – May 2019)
- Participated as a volunteer at United Way Clean Shores, for beach clean-up drives. (May 2019 – December 2019)