

SHIVANSH SHARMA

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EDUCATION

NEW YORK UNIVERSITY, Tandon School of Engineering

New York

MS in Computer Science, Cumulative GPA: 3.72 / 4.0

Sep, 21 – May, 23

Courses: Algorithms, Machine Learning, AWS Cloud, Big Data, Deep Learning, NLP

DEVI AHILYA UNIVERSITY, Institute of Engineering and Technology

Indore, India

Bachelor of Engineering in Computer Engineering

Aug, 14 – Jun, 18

Courses: Distributed Systems, Object Oriented Programming, Artificial Intelligence, Databases

SKILLS

Programming Languages: Java, Python, JavaScript, SQL, C/C++, Unix, HTML, CSS, R

Development Tools: AWS, GCP, React, Node.js, Hadoop, Hive, Spark, PyTorch, Git, Jira, Agile

Database Tools: MySQL, Oracle, DB2, MongoDB, DynamoDB, Elasticsearch/OpenSearch

EXPERIENCE

Forbes | June 22 - Aug 22

Jersey City, NJ

Data Science Intern

Tools: Google Cloud Platform (GCP), Vertex AI, BigQuery, Python, scikit-learn, SQL, NLP

- Collaborated with the Ads revenue team to identify the high performing content that is posted on Forbes website.
- Explored 12 different attributes that contribute significantly towards the performance of an article and explained around 73% of variance in terms of page views and page time.

Cognizant | Aug 18 - Aug 21

Chennai, India

Software Developer, Client - Bank of New York Mellon

Oct 19 - Aug 21

Tools: Java, shell-scripting, Spark, Hive, Sqoop, SQL, Python, Cloudera

- Slashed the manual work to 10% by developing a 5-stage data extraction process and enhanced the existing Standard File delivery mechanism on mainframe by upgrading to Big Data technology.
- Devised a failure recovery mechanism that reduced the reprocessing by 80% and mitigated human intervention in case of system failures.
- Redesigned and structured point in time data updates, improved rollbacks in scenarios of data inconsistencies.

Data Scientist, Client - CVS Health

Aug 18 - Sep 19

Tools: Python, Jupyter Notebook, scikit-learn, NumPy, pandas, SQL, Machine Learning

- Increased customer retention rate by identifying detractors for Medicare Insurance plan in yearly CHAPS Survey conducted by AHRQ (U.S.)
- Produced a multiclass classification model that achieved a recall score of 93% for the most vulnerable category.

PROJECTS

Dining Suggestion Chatbot

Feb, 22

Tools: AWS, Lambda, Amazon Lex, S3, DynamoDB, Node.js, JavaScript

- Developed chat bot using Amazon Lex that suggested places to dine based on the choice of cuisine.
- Designed a python script to scrape information about restaurants using Yelp API and stored it in DynamoDB.
- Set up a workflow to process the requests stored in SQS queue and send suggestion via SMS to users once processed.

Depth Estimation in Images using Stereo

April, 22

Tools: Python, opencv, numpy, pandas

- Design and developed a software that uses stereo concepts to estimate the depth of objects in images.
- Enhanced the performance by reducing the processing time from around 1 hour to under 5 minutes by using a parallel processing algorithm for depth estimation.

Diabetes Re-emergence Predication

Oct-Dec, 21

Tools: R, ggplot2, sparklyr

- Predicted if a patient gets re-admitted to the hospital within a certain number of days after the discharge date.
- Built a multiclass classification model and achieved a recall score of 89.6% for most vulnerable patients.
- Accelerated training of decision tree classifiers using parallel procession with sparklyr on IBM distributed machines.