Nikita Dwivedi

EDUCATION

VNIT, NAGPUR
Bachelors in Computer Science
Graduated July 2018
Cumulative GPA: 9.35/10

HIGHER SECONDARY
Maharashtra State Board
Graduated 2014
Aggregate Percentage: 96.15%

SECONDARY SCHOOL
CBSE
Graduated 2012
Aggregate Percentage: 97.6%

SKILLS

PROGRAMMING LANGUAGES
- Java
- Scala
- C/C++
- Python

DATABASES
- Oracle
- Neo4j

TOOLS/FRAMEWORKS
- Spring Boot
- Apache Spark
- Git
- Intellij

OPERATING SYSTEMS
- Unix
- Windows

EXPERIENCE

JPMORGAN CHASE | Associate Software Engineer
July 2018 – Present | Bengaluru

- Implemented parallel processing of data ingestion and enrichment requests in the firm's strategic data lake platform, which improved the requests' performance by up to 200% in production
- Designed and developed an efficient data adjustment pipeline in the platform which processes millions of data update requests for deeply nested Spark dataframes
- Developed an application for data life-cycle management, which purges/archives data based on retention rules to manage storage effectively and improve system performance. It's projected to save up to 2 PiB space and $5 million+ in storage costs by the end of this year
- Previously worked in the firm's accounting team, and successfully delivered major projects including a data standardisation initiative which enabled the firm to move away from legacy accounting applications for FX Options

JPMORGAN CHASE | Summer Technology Analyst
May 2017 - July 2017 | Mumbai

- Analysed an open-source in-house testing tool and performed a POC on its compatibility with the team's application, designed test cases covering the application's workflow; aggregated test results and visualized them using Elastic Stack

PROJECTS

SAMRIDDHI
Sep 2018 - Jul 2019 | Force For Good Initiative
Developed an end-to-end data collection, management and reporting application for the NGO Samriddhi as part of JPMorgan's Force For Good Initiative using Salesforce

AUTOMATED TRAFFIC SURVEILLANCE SYSTEM
Nov 2017 – Apr 2018 | Final Year Project
A fully automated system to detect traffic violations such as Wrong Way Driving and Stopped Vehicle Detection using ML Models and Computer Vision techniques
Technologies/Libraries Used: Python3, OpenCV, Tensorflow, Scikit-learn

RANKING IMPORTANT TWEETS IN A DAY
Jun 2016 - Jul 2016 | Summer Intern Project
Mined real-time tweets using Twitter's Streaming and Trends API, and designed an algorithm to rank them based on re-tweeter hierarchy and author influence. Tweet Data was modeled using the graph database Neo4j
Technologies/Libraries Used: Python3, Tweepy, Py2neo, Neo4j

ACHIEVEMENTS

- Graduated among the top 10 of VNIT's 2018 Computer Science class
- Stood fourth in Vidarbha district in HSC'14 and was awarded the Assistance to Meritorious Students Scholarship by the Government of Maharashtra

EXTRA CURRICULAR ACTIVITIES

- Editor of VNIT's annual college magazine ('17-'18)
- Organised MUNs in VNIT's annual technical festival AXIS ('15-'17)
- Organised and anchored various JPMorgan events for the incoming software engineering college graduates ('18/'19)