Rahul Padhy

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EDUCATION

IIIT, HYDERABAD
M.Tech. in Computer Science
8.76/10
May 2024 | Hyderabad, India

NIT, ROURKELA
B.Tech. in Computer Science
8.11/10
May 2018 | Rourkela, Odisha, India

ISPAT E. M. SCHOOL
92.6%
Intermediate | April 2014 | India

ISPAT E. M. SCHOOL
95.57%
Matriculation | April 2012 | India

LINKS

LinkedIn:// **rahulpadhy1996**
Github:// **imRP26**
Leetcode:// **rahulpadhy26**

COURSEWORK

Data Structures and Algorithms
Distributed Systems
Introduction to NLP
Statistical Methods in AI
Data Systems
Software Systems and Development
Operating Systems
Computer Networks

SKILLS

PROGRAMMING
Intermediate:
Java • Python • MySQL • Shell
Familiar:
C/C++ • HTML/CSS/JavaScript •
PowerShell

ACHIEVEMENTS

Dean's Merit List Awardee for being in the
top 10% in the batch for academic
performance.
Performer of the month in various
instances while in Veritas and in
Drivetrain.
Ranked amongst the top 1.05% globally in
ProjectEuler+ conducted by HackerRank
as of November 2023.
Ranked amongst the top 3.8% users in
LeetCode as of March 2024.

EXPERIENCE

DRIVETRAIN | Software Engineer 2
March 2021 - August 2021 | Bengaluru, India
- Developed config files from scratch for mapping the business processes of clients and wrote SQL queries for calculating various metric values.
- Set up data pipeline connectors (such as Fivetran, Airbyte) from scratch for moving data from sources such as S3, Salesforce to BigQuery warehouse.
- Added **custom Airbyte open source fixes** into the **codebase** to enable proper data visualization through PowerBI.
- Developed automation scripts for various scenarios such as data verification, daily data sync-ups from clients.

ORACLE | Member of Technical Staff
August 2019 – October 2020 | Bengaluru, India
- Developed the clustering module of CodeCoverage from scratch for various Oracle product labels and reduced the execution time by about 60%.
- Created a UI app for better understanding of results for various applications using Oracle APEX - SQL, PL/SQL were used extensively for this.
- Solved various issues to stabilize the CodeCoverage module.

VERITAS TECHNOLOGIES LLC | Associate Software Engineer
July 2018 - August 2019 | Pune, India
- Automation of the FTP and CIFS ACL modules in the product Veritas ACCESS by developing test cases involving complete code coverage using the VxCTF test framework (in-house).

PROJECTS

IOT PLATFORM SENSORS' MODULE | Flask, Kafka, Docker
- Built the **Sensors' Module** of an IoT Platform from scratch that can fetch live data from OM2M sensors' API and inserted the sensors' data into necessary Kafka topics and MongoDB on cloud.
- Implemented various API endpoints so that other modules can interact with the Sensors' module (through Kafka) as per their requirement and exposed all of them on a Swagger UI that is controllable by the Platform Admin.

QUESTION-ANSWERING | PyTorch, Machine Learning
- Trained a BERT baseline module from scratch for **Question Answering** and compared with various State-of-the-Art models on the SQuAD 1.0 and 2.0 datasets.
- Conducted various experiments and finalized reasons as to how baseline models can be made better (w.r.t. F1 scores and HuggingFace pipeline scores).

SIMPLE RELATIONAL DATA SYSTEM | C/C++
- Implemented page designs for storing relational database tables and the BufferManager from scratch.
- Implemented various DBMS operations such as SELECTION, PROJECTION, JOIN, SORT, GROUP-BY, ORDER-BY, etc., from scratch in an efficient manner.