ANIL RATHOD

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EDUCATION

Dr. Dy Patil Institute of Engineering and Management Research, Pune   **Nov 2022   June 2025**

Bachelor of Computer Engineering   - *CGPA - 7.72*

Gramin Polytechnic Vishnupuri, Nanded

Diploma in Mechanical Engineering   - *Percentage - 87.47*   **June 2016   June 2019**

EXPERIENCE

NOKIA | Software Engineer   **Aug 2023 - Present**

- Developed network traffic capture functionality between **5G pods**, achieving a notable **50% reduction** in debug efforts for R&D researchers. Implemented using **C++, Python, Pytest and module testing**.
- Implemented Vendor specific option in **IPv6 for Nokia 5G** networks, essential for radio deployment, impacting **40% mobile tower station**.

NOKIA | Software Engineer Intern   **Sept 2022 - July 2023**

- Spearheaded the development of a groundbreaking **Nmap Jenkins pipeline**, reducing manual tracking time from **2 days to just 15 minutes**.
- Conducted **UDP** and **TCP** scans on nodes, leveraging advanced analytics to swiftly identify vulnerabilities and fortify network security.
- Developed and refined **unit test cases** , ensuring robustness and reliability of netact software.

PROJECTS

BLOG WEBSITE🔗 |JavaScript| Tailwind CSS | MongoDB | ExpressJS | ReactJS | NodeJS

- Developed an AWS ETL pipeline fetching data from API using Lambda, storing in S3.
- Utilized Glue to read data from S3, storing only new data in DynamoDB.

SPARK INCREMENTAL BATCH PIPELINE 🔗 |Pysaprk | Kafka |MySQL |Redshift | S3

- Read data from MySQL and send to Kafka topic and from Kafka topic we will dump to s3 bucket.
- Read data from s3 bucket and dump in RedShift.
- Designed and deployed a Docker-based setup to read data from an S3 bucket and dump it into Redshift.

TECHNICAL SKILLS

Languages: C++, JavaScript, Python.

Technologies/Frameworks/Libraries: HTML, CSS, Bootstrap, ReactJS, NodeJS, ExpressJS, MongoDB.

Database MySQL, PostgreSQL, MongoDB

Tools: Git & GitHub (GitHub Desktop), Visual Studio Code.
Core: Data Structures and Algorithm, Object Oriented Programming, Operating System, Database Management System, Computer Networking.

ACHIEVEMENTS

- 1st Institute Rank in DYPIEMR under GeeksForGeeks Practice Section.
- 5-star (C++) coder on Hackerrank
- Global Rank: 719 in CodeChef Starters 137 Division 4 (Rated) Contest.