## Swaraj Nayak

Python Developer | Data Engineer | Full-Stack Developer

# **PROFESSIONAL SUMMARY**

Innovative and detail-oriented Python Developer with 3+ years of experience in software development, data engineering, and full-stack applications. Expertise in Python, Django, React.js, SQL, Machine Learning, and cloud technologies. Skilled in building scalable solutions for ecommerce, telecom, and payment systems. Proven ability in data analysis, designing ML models, and working with cross-functional teams using Agile and DevOps methodologies.

## **©** CAREER OBJECTIVE

Seeking a challenging position as a **Python/Data Developer** where I can utilize my skills in **machine learning, data engineering, and full-stack development** to solve real-world business problems and grow in a dynamic and collaborative environment.

### **WEALTH SKILLS**

- Languages: Python, JavaScript, SQL, HTML, CSS
- Frameworks: Django, Flask, Django REST Framework, React.js, Bootstrap
- **Databases:** MySQL, Oracle, MongoDB
- Tools/Platforms: Git, Jenkins, PyCharm, Postman, Tableau, HP ALM, Jupyter, Anaconda
- ML & Data Science: Scikit-Learn, TensorFlow, Pandas, NumPy, Matplotlib, Logistic/Linear Regression
- **DevOps/CI-CD:** GitHub, Bitbucket, Jenkins
- Web Services: REST, JSON APIs
- Cloud & Hosting: AWS (EC2, S3, Lambda)
- Version Control: Git, Bitbucket
- **OS:** Windows, Ubuntu/Linux



#### **Python Developer**

UST Global, Bangalore | Jan 2020 - Present Client: Marks & Spencer, UK

Project: Email Alias module within Integrated Warehouse (IHW)

- Developed and maintained payment processing system using Python, Django, and Oracle.
- Designed and implemented **REST APIs**, enhanced reporting with **Pandas**, and improved logic using **Scikit-Learn**.
- Built multi-functional reports, performed data exploratory analysis, and worked on ML algorithms (Linear & Logistic Regression).
- Participated in architectural discussions, created **low-level design (LLD)** documents.
- Performed unit testing using Pytest, handled bug tracking with HPALM, and ensured ontime releases.
- Actively involved in client interactions, requirement analysis, and continuous deployment.
- Worked on **Email Alias module** within **Integrated Warehouse** (**IHW**) a **data-driven application** designed to manage and streamline email alias creation. Enabled clustering, classification, and assignment of **LDAP permissions** based on alias identity, improving user management efficiency and access control.
- I have hands-on experience with **PySpark**, working on large-scale data processing and ETL pipelines. I've utilized PySpark for transforming and analyzing big datasets in distributed environments, optimizing performance through partitioning and caching, and integrating with tools like **AWS**, **Databricks**, and **Snowflake**. My work includes writing efficient Spark jobs using DataFrame and SQL APIs, handling structured and semi-structured data formats (like JSON, Parquet, and Avro), and ensuring scalability and fault tolerance in data workflows.

## ✓ PROJECT EXPERIENCE HIGHLIGHTS

- Built tools to detect **botnets** using **machine learning** and **data mining** techniques.
- Developed and deployed end-to-end applications using Django REST, React.js, and MongoDB.
- Enhanced performance through **multi-threading**, **logging**, and **database optimization**.
- Integrated APIs, applied **data cleaning/imputation**, and supported **data pipelines (ETL)** with Python.

• Worked on Email Alias module within Integrated Warehouse (IHW) – a data-driven application designed to manage and streamline email alias creation. Enabled clustering, classification, and assignment of LDAP permissions based on alias identity, improving user management efficiency and access control.

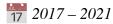
## 🧸 REACT.JS EXPERIENCE

- 4.5 years of experience in building dynamic, responsive UIs.
- Proficient in Redux, Context API, Recoil for state management.
- Implemented **performance optimizations**: lazy loading, memoization.
- Integrated **REST and GraphQL** APIs; tested using **Jest** and **React Testing Library**.
- Participated in **Agile** sprints, code reviews, and pair programming.



#### **B.Tech in Computer Science**

Biju Patnaik University of Technology (BPUT), Bhubaneswar



#### CERTIFICATIONS & TOOLS USED

- **BI Tools**: Tableau
- **ETL Tools**: Python ETL, SSIS
- **Testing**: Pytest, Django Test
- **Deployment**: Git, Jenkins, AWS
- **IDE**: PyCharm, Spyder, Atom

## **OTHER INFORMATION**

• Languages Known: English, Hindi, Odia

• **DOB:** 02-Jan-1999

• Current Location: Bangalore, India