NIDHI MISHRA

Ph.: +1 551-263-9993 **| Email:** nidhimish005@gmail.com **| GitHub:** Nidhiiiim **| LinkedIN:** Nidhiim

EDUCATION

Master's in Computer Science | New Jersey Institute of Technology, NJ   **Sept 2022 - May 2024**
- GPA - 3.70/4 | **Coursework:** Data Structures, Operating System, Data Analytics w/ R, Software Project Management.

Bachelor's of Engineering in Information Technology | VESIT, Mumbai University   **Sept 2015 - May 2019**
- GPA - 7.35/10 | **Coursework:** Applied Statistics, Data Mining & BI, Cloud Computing, Object Oriented Programming, Big Data.

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL, Java, R, Scala, Shell Scripting, HTML, CSS, JavaScript, ReactJS.
- **Cloud Technologies:** Informatica Cloud, Mulesoft, Salesforce, AWS (S3, EC2, SNS, SQS, Lambda).
- **Data Ecosystem:** AWS EMR, AWS Glue, RabbitMQ, Hadoop, HDFS, YARN, Apache Spark, Databricks, Hive, Kafka, Sqoop.
- **Databases:** MySQL, PostGreSQL, Oracle, DynamoDB, Aurora, Redshift, NoSQL - MongoDB, Redis.
- **DevOps / Analytics Tools:** Docker, JIRA, GitHub, AWS CloudFormation, Jenkins, AWS - Athena, Tableau, Qlikview.

EXPERIENCE

Web Development TA | New Jersey Institute of Technology, NJ   **Jan 2023 - May 2024**
- Automated 80% of manual work by developing proof-of-concept projects using React - Next.js and Playwright testing.
- Led CI/CD implementation by facilitating Git workflows improving work efficiency by 50% and collaboration among students.
- Optimized 5+ web applications, leveraging Docker containerization reducing deployment time by 40%.

Software Engineer - Big Data | Accenture, Mumbai   **Aug 2019 - Jul 2022**
- Migrated over 10 TB of on-premise Data Lake to AWS, S3 for object storage and AWS EMR to enhance data accessibility.
- Performed partitioning and bucketing on S3 data interfaced with Hive on EMR, increasing warehousing efficiency by 30%.
- Created and executed Spark jobs with PySpark on EMR, reducing data processing times from 20 hours to 12 hours.
- Transformed ER data models into Snowflake schema, using Dynamic Mapping in Informatica PowerCenter.
- Engineered 5+ ETL pipelines using Informatica (IICS), RabbitMQ, Oracle, and Tableau for real-time financial data analytics, adhering to microservice architecture.
- Implemented four Python-based business solutions that reduced inter-team dependencies by 60% and saved over 650 hours.

Python Developer Intern | Smartify Healthcare, Mumbai   **Aug 2018 - Aug 2019**
- Improved Airport passenger security efficiency by 15% by implementing Python-based Real-Time Locating System (RTLS).
- Created a real-time dashboard using Django, integrated with 10+ beacons, to enhance data visualization and airport security.

Data Analyst | Raymond Ltd., Mumbai   **May 2018 - Jul 2018**
- Conducted extensive data analysis through SQL queries, enhancing operational efficiency by 35% by delivering data insights.
- Designed the 'Greenday' website on the intranet portal using SharePoint, HTML, CSS, and Bootstrap, for Environment Day.

Web Developer Intern | Masys Solutions, Mumbai   **Mar 2017 - Aug 2017**
- Achieved 30% more user engagement on a client's website by developing websites using JavaScript, ReactJS, HTML, and CSS.

PROJECTS & PATENTS

Movie Analysis: *Python, Hadoop, Hive, AWS EMR, AWS Athena* | GitHub Link   **Jan 2024**
- Built 1 ETL pipeline for IMDb data extraction, processed data via Amazon EMR and Apache Spark.
- Implemented AWS QuickSight for real-time data visualization, and enhanced decision-making providing 2x improved insights.

NeuroChat: *Python, NLTK, Keras, NumPy, Boto3, AWS S3* | GitHub Link   **May 2023**
- Utilized NLTK for text processing, and Keras with NumPy for Neural Network Training.
- Managed chatbot data in AWS S3 with Boto3 and resolved system incompatibilities using Docker and Docker Compose.

Stock Market Analysis: *Python, Flask, SQL, Apache Airflow* | GitHub Link   **May 2022**
- Developed a system that automates daily data collection from the NSE website, and performs data quality checks.
- Generated visualizations showing stock trends over 5 days, 1 month, 6 months, and 1 year.

TikTacToe Game: *Python, Minimax AI* | GitHub Link   **Nov 2022**
- Built a game that features an optimal Minimax AI, alternating turns between the human and Artificial Intelligence.

Smart Toilets: *Python, Django, IoT* | IEEE Patent   **Oct 2018**
- Prototyped an IoT-based intelligent toilet system to improve public sanitation and reduce open defecation in rural areas.

CERTIFICATION

- **Amazon Web Services Certified Developer Associate:** Credentials   **Feb 2024**

AWARDS

- **Adaptive Learner Award,** Accenture   **Jan 2022**