

# MAHESH NARPAT CHAND

🏠 [Corvallis, OR 97330](#) · 📞 [\(541\) 250-7848](#) · ✉️ [maheshchoudhary028@gmail.com](mailto:maheshchoudhary028@gmail.com) · 🌐 [maheshn.co](http://maheshn.co)

## SKILLS

**Programming Languages** – Python, Java, JavaScript, HTML, CSS, Android, Scala, Dart, C++, Linux

**Frameworks & APIs** – NEXT JS, React, Flask, Flutter, Spring Boot, Hibernate, JDBC, MS Graph, REST, Jest, PyTest

**Database & Cloud** – MongoDB, MySQL, SQLite, AWS (EC2, Lambda, S3), Azure

**Tools** - Git, Airflow, Jenkins, Docker, Kubernetes, DataStage, SAS, Rally, Jira, Figma

## EXPERIENCE

**DATA ENGINEER INTERN | UNITEDHEALTH GROUP**, MINNENTONKA, MN

JUN. 2022 – SEPT. 2022

- Customized and extended an open-source data-validator in Scala, enhancing validation efficiency.
- Integrated Parquet file processing into the framework, expanding compatibility with diverse data formats.
- Implemented features to improve anomaly detection, ensuring comprehensive data quality assessments.
- Contributed to reducing errors by 30%, adapting to various pipelines, and mitigating downstream impacts.

**ASSOCIATE SOFTWARE ENGINEER | OPTUM**, HYDERABAD, INDIA

AUG. 2020 – AUG. 2021

- Orchestrated cloud migration, enhancing ETL workflow efficiency by 50% using Linux and Python automation.
- Performed quarterly maintenance and monitoring of large-scale data ingestion runs, utilizing Airflow, DataStage, and SAS, to ensure data quality and accuracy throughout ingestion runs.
- Developed a containerized microservice for ServiceNow, improving ticket tracking and SLA management.
- Contributed to the SDLC process, adhering to Agile principles, and performed comprehensive code reviews.
- Documented processes for knowledge transfer, ensuring effective team collaboration.

## PROJECTS

**LEGALAID SCHEDULER – CASE MANAEMENT SYSTEM**

SINCE JANUARY 2023

- Developing a comprehensive system, encompassing PDF text extraction and processing, document automation, calendaring, and task management, and MS Graph API integration.
- Implementing AI-driven enhancements for streamlined legal workflows, reducing manual entry by approximately 15 hours/week.
- Conducting rigorous unit testing and debugging to ensure the highest quality of code.

**DRIVEWAVE – GESTURE CONTROLLED ROBOT CAR**

DECEMBER 2021

- Collaborated on seamless integration of a hand gesture recognition ML model with Arduino-based robot car.
- Engaged in hardware configuration and software interfacing, ensuring precise execution of gesture commands and enhancing overall user experience.

**PEDALEZE – FITNESS CYCLING APP**

JULY 2019

- Developed a user-friendly fitness cycling android app, enabling users to effortlessly track cycle routes and heart rate through BLE-based integration with wrist/fitness bands.
- Integrated GPS-based map tracking, constant heart rate monitoring, and seamless connectivity with cycling devices for efficient data exchange.

## EDUCATION

**MASTER OF SCIENCE IN COMPUTER SCIENCE | SOFTWARE ENGINEERING**

MARCH 2024

**OREGON STATE UNIVERSITY**, CORVALLIS, OR

**GPA 3.94/4.0**

- **Software Innovation Lab** - Practiced Agile and Scrum methodologies, taking turns as Scrum Master, ensuring efficient project management.
- **Coursework** - Enrolled in Algorithms, Software Engineering Methods, Human Computer Interaction, Database Management Systems, Deep Learning, Information Retrieval and Scalable Querying.
- **Teaching Assistant** - Cloud Application Development, Mobile Software Development( Flutter & Kotlin).

**BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE**

MAY 2020

**SRM INSTITUTE OF SCIENCE & TECHNOLOGY**, CHENNAI, TN (INDIA)

**GPA 3.56/4.0**