

MAHESH NARPAT CHAND

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SKILLS

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

Frameworks & APIs – NEXT JS, React, Material UI, Flask, Flutter, Spring Boot, Hibernate, JDBC, REST

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

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

EXPERIENCE

DATA ENGINEER INTERN, OPTUM LABS

JUNE 2022 – SEPTEMBER 2022

- Initiated the customization and extension of the open-source "data-validator" project from Target to address the unique data validation requirements of the company.
- Designed and implemented a tailored data validation framework in Scala, automating checks on diverse data sources, resolving data quality issues, and aiming to reduce error-rates by 30%.
- Leveraged user configuration files to ensure the framework's flexibility and adaptability to various pipelines, contributing to the minimization of error-rates and mitigation of downstream impacts.

ASSOCIATE SOFTWARE ENGINEER, OPTUM GLOBAL ADVANTAGE

AUGUST 2020 – AUGUST 2021

- Revamped the ETL process within an Agile environment, orchestrating a seamless cloud migration.
- Implemented automation using Linux and Python, resulting in a 50% increase in operational efficiency.
- Created a full-stack ServiceNow widget for the Hygeia dashboard, using Java, JavaScript, and MongoDB.
- Enabled managers to track tickets and manage SLA efficiently, contributing to better team productivity.

PROJECTS

LEGALAID SCHEDULER

SINCE JANUARY 2023

- Developing a comprehensive legal case management system, encompassing PDF text extraction and processing, document automation, calendaring, and task management.
- Integrated ChatGPT to augment extracted details with AI-driven enhancements, resulting in streamlined legal workflows, improved efficiency, and precision for legal professionals.
- Realized a projected reduction of approx. 15 hours/week in manual entry, in a typical law firm, translating to substantial time savings and improved resource allocation.

DRIVEWAVE – GESTURE CONTROLLED ROBOT CAR

DECEMBER 2021

- Collaborated on seamless integration of a hand gesture recognition ML model with Arduino-based robot car, optimizing real-time interaction.
- 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

SEPTEMBER 2021 – DECEMBER 2023

OREGON STATE UNIVERSITY

GPA 3.94/4.0

- 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

JULY 2016 – MAY 2022

SRM INSTITUTE OF SCIENCE & TECHNOLOGY

GPA 3.56/4.0