Nihal Rian Dias

I'm passionate about building intelligent and accessible software solutions that empower people to achieve more.

Contact

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GitHub: github.com/nrd26

Tech Blog: nihaldias.medium.com

Skills

- **Cloud Computing** (Azure, AWS, GCP, ThingSpeak)
- **Web Development** (MERN, Flask)
- **Machine Learning** (Tensorflow)
- **App Development** (Dart, Flutter, Firebase, Java, React Native)
- **Big Data** (Spark)
- **Programming languages** (Python, JavaScript, C++, C, Java)
- **Database Systems** (PostgreSQL, Apollo GraphQL, MongoDB, Neo4j, Cypher QL, SQL, Firebase)
- **Operating Systems** (Linux, Windows, Docker)
- **Interpersonal and Soft Skills:** Emotional Intelligence, Teamwork, Analytical Thinking

Research Publication

Grow-IoT (smart analytics app for comprehensive plant health analysis and remote farm monitoring using smart sensors) Presented at the AICECS 2021 Conference and published in the **IOP Journal .**

Languages

- English
- French
- Hindi
- Kannada
- Konkani
- Japanese

Educational Qualifications

BTech in Computer and Communication Engineering with a Minor Specialization in Big Data | 8.03 CGPA
Manipal Institute of Technology | 2023

Experience

Software Development Engineering Intern, Groupot (06/22- Present)
I work on the **full stack development** of the **web and mobile** versions of Savesmart, a savings platform built using **AWS, NodeJS, Apollo GraphQL, PostgreSQL, Cypher Query Language and Neo4j (backend), ReactJS (Web) and React Native (Mobile)**

Microsoft Learn Student Ambassador, Microsoft Learn (08/20-Present)
I co-authored a module about the Azure Health Bot on the Microsoft Learn website and talked about the same as part of a 4 episode **Learn Live series on Microsoft Reactor** and also **conducted events, workshops and webinars on Microsoft technologies** to help empower the local student community.

Intern - IT, 60mm (09/21-03/22)
I worked on **creating and testing scalable and accessible software** designed using **Flutter** and given functionality through **NodeJS and Firebase**

Flutter UI Developer, ALLSKIER Solutions Pvt Ltd (07/21-09/21)
I worked on building **innovative and accessible user interfaces for cross-platform IoT mobile apps** and also **conducted 2 webinars on Flutter App Development and Cloud Computing with Microsoft Azure**.

Artificial Intelligence Team Member, RUGVED Systems (2019-2020)
I worked on **mapping for autonomous bots using SLAM in ROS** and also made a **Computer Vision model for path detection**.

Projects

Microsoft Learn Module (Module link)
I **co-authored the Language Understanding in Azure Health Bot module** which is part of the Create intelligent health bots with Azure Health Bot learning path **on the Microsoft Learn website**.

Donate Life (GitHub link)
Donate Life is a **cross-platform mobile app built using Flutter** that helps make blood donation an easier and more accessible experience.

Neko Eats (GitHub link)
Neko Eats is a **cross-platform, customizable mobile app built using Flutter** that aims to prevent customers from paying extra and restaurant owners from earning less due to intermediary costs,

Azure Movie Recommender Web App (GitHub link)
I built a **content-based movie recommender using the Azure App Service**. It implements a **TF-IDF Vectorizer** to predict related movies based on metadata and is built using **Flask for the backend**.