

Nihal Rian Dias

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

Educational Qualifications

BTech in Computer and Communication Engineering with a Minor Specialization in Big Data | 8.03 CGPA

Manipal Institute of Technology | 2023

Experience

○ Intern, Volvo Group (02/23 - Present)

I work on the *modernization of web applications using ReactJS and .NET* as well as their *migration to Azure Red Hat OpenShift (ARO)*

○ SDE Intern, Groupot (06/22 - 01/23)

I worked 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 (08/20-05/23)

I co-authored a [module about the Azure Health Bot](#) on the Microsoft Learn website and presented it as part of a 4 episode [Learn Live series on Microsoft Reactor](#) and also *conducted events, workshops and webinars on Microsoft technologies* to empower the local student community.

○ Intern - IT, 60mm (09/21-03/22)

I worked on *creating and testing scalable and accessible software* built using *Flutter (frontend), NodeJS and Firebase (backend)*

○ Flutter UI Developer, ALLSKIER Solutions Pvt Ltd (07/21-09/21)

Built *innovative and accessible user interfaces for cross-platform IoT mobile apps* and *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.*

Contact

Phone : +91-9538161880

Address : Mangalore, Karnataka, India

Email ID : nihaldias261@gmail.com

Website: [nihaldias.codes](#)

LinkedIn: [linkedin.com/in/nihal-dias](#)

GitHub: [github.com/nrd26](#)

Tech Blog: [nihaldias.medium.com](#)

Skills

- **Cloud Computing** (Azure, AWS, GCP, ThingSpeak)
- **Web Development** (MERN, Flask, .NET)
- **Machine Learning** (Tensorflow)
- **App Development** (Dart, Flutter, Firebase, Java, React Native)
- **Big Data** (Spark)
- **Programming languages** (Python, JavaScript, C++, C, C#, Java)
- **Database Systems** (PostgreSQL, Apollo GraphQL, MongoDB, Neo4j, Cypher QL, SQL, Firebase)
- **Operating Systems** (Linux, Windows, Docker)

Certifications

- [AZ-900](#) (Microsoft Azure)
- [Graph Developer - Associate](#) (Apollo GraphQL)

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](#).