

# ROHIT VIKAS DADGAL

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## EDUCATION

### Sant Gadge Baba Amravati University

B.E. in Computer Science and Engineering

**Relevant Coursework:** Operating System, System Design, Data Structures & Algorithms, Cloud Computing, Database Management Systems, Computer Networks

Amravati, MH

2021 - 2025

## EXPERIENCE

### 1) Programmer Analyst

Aug 2025 – Present

*Cognizant Technology Solutions*

- Created re-usable **Java classes** to Mule applications and used **Maven** to manage dependencies and automate the process of building.
- Implemented **SOLID Principles and Design Patterns** (Factory, Singleton, Observer) with **Dependency Injection** to build scalable and maintainable Java and Integration applications(API Consumer Work).
- Integrated REST APIs using **Mule connectors** and tested endpoints with Postman.
- Developed high-performance modules using **Asynchronous APIs** to optimize execution and improve responsiveness and Performed basic error handling and logging in Mule flows.

### 2) Software Development Intern

Feb 2025 – May 2025

*QuadB Technologies*

- Achieved **seamless decentralized login** by implementing a modular identity layer supporting **Internet Identity, Plug, NFID, Email, and social** logins—improving user onboarding across Web3 dApps.
- Enabled **secure multi-wallet linking** (ICP, Ethereum, Solana) by designing a **DID-compliant identity-canister, enhancing identity portability, session security**, and participated in team discussions to understand **API-led integration concepts**.
- Improved **transparency and governance** by building a **user dashboard** and **DAO-based permission system** for managing data, app access, and retention policies.

### 3) Student Contributor (AI Projects Lead)

May 2024 – Sept 2024

*Microsoft Learn Students Ambassadors*

- Developed a 3D Brain Atlas tool that enables **seamless visualization and annotation of anatomical brain regions**, accelerating medical imaging analysis and **diagnostics by 30%** by **utilizing Azure Functions, Azure Kubernetes Service (AKS) and Cognitive services**.
- Integrated Azure Cognitive Services, **improving data processing efficiency by 40%** and **healthcare decision-making accuracy by 25%**.
- Led a team of 3 developers** and presented the project at **AI Demo Day** in front of **Microsoft PMs, MVPs, and over 300 participants**.

## PROJECTS

### 1) Medical Diagnosis Extraction | *Python, Azure Services, Gliner-Spacy, REST API*

[Github](#)

- Built an **end-to-end OCR based medical diagnosis extraction** system that automates the reading of handwritten prescriptions using **Azure Form Recognizer, Tesseract OCR, and GLiNER-SpaCy NER**, converting unstructured medical data into structured insights.
- Achieved 95% accuracy and streamlined insurance claim approvals by mapping extracted diagnoses to ICD-10 codes, reducing manual processing time and improving consistency in medical documentation.

### 2) VocalVision | *HTML, CSS, Javascript, Azure AI Services*

- Developed an **AI-powered web toolkit** enabling intelligent **text, image, and speech processing** using **OpenAI GPT-4, Azure Computer Vision, Azure Translator, and Azure Speech Services**, offering multimodal interaction on the browser..
- Enhanced **user engagement by 40%** and earned praise from 200+ users for delivering features like document summarization, real-time speech synthesis, and accurate speech-to-text, **making the tool accessible, multilingual, and highly interactive**.

### 3) Reminder Scheduler App | *Kotlin, Firebase*

[Github](#)

- Developed a mobile app using Kotlin and Firebase for **scheduling reminders, real-time updates, and user authentication**.
- Increased task completion** rates by implementing proactive reminder notifications and leveraged **Firebase Cloud Messaging (FCM)** for timely notifications and ensured a seamless user experience through real-time data updates.

## TECHNICAL SKILLS

**Languages:** Java, Python, SQL, JavaScript

**Frameworks & Libraries:** RESTful APIs, Springboot, Flask, Django, React, Pandas, NumPy, Matplotlib, SkLearn

**Cloud/DevOps:** AWS, Azure, CI/CD, Git/Github, Google Cloud Platform, Jenkins, Linux(Putty)

**Databases and Integration Platform/API Management:** Oracle SQL , Firebase, Mulesoft (Basic)

## ACHIEVEMENTS AND CERTIFICATIONS

- Winner of the Android Campus Fest 2023 Appathon(Android Hackathon)**, organized by Google Developers, for designing a top-performing Android application among **400+ participants**.
- Finalist in HackRx 5.0 (Bajaj Finserv)** and led a team of 3 developers, selected from 700+ teams.
- Served as a **Microsoft Learn Student Ambassador**, leading an AI project cohort, organizing 8+ technical events, and mentoring peers on Azure, DevOps, GitHub Copilot, and certification readiness.
- Presented my Research Paper at **International Conference on Advances in Computing Control and Telecommunication Technologies 2025**. [\(Link\)](#)
- Google Cloud Certified – Cloud Digital Leader**. [\(Credentials\)](#)