

NITHISH KRISHNA K S

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SUMMARY

A dedicated and adaptable Computer Science graduate with hands-on experience in software development through multiple academic and in-house projects. Strong problem-solving abilities, effective communication skills, and a track record of commitment and resilience as shown through achievements in sports and technical challenges. Thrives in collaborative environments and fast-paced development cycles.

EDUCATION AND CERTIFICATIONS

Bachelor of Computer Science, NIE-IT (Presently NIE North) 2020 - 2024

- **Developing Back-End Apps with Node.js and Express** [IBM-April 2023]
- **Crash course on Python** [Google-August 2021]
- **Programming Foundations with JavaScript, HTML and CSS** [Duke University -September 2020]

CAPABILITIES AND SKILLS

Programming Languages: C++, Python, Java, Node.js, Dart

Frameworks and Tools: Firebase, Express.js, Hive, Aspose SDK, Android Studio

Skills: REST API Development, State Management, OOP, Version Control (Git)

Soft Skills: Leadership, Team Collaboration, Problem-Solving, Communication

EXPERIENCE

Junior Software Developer Oct 2024 - Present
Vidwath *Full Time*

- Digital content encryption, decryption and testing products in production for bugs.
- Independently developed a full-stack Flutter application for internal use, featuring dynamic UI, RESTful API integration, and secure local data storage with Hive.

Software Developer Mar 2024 - Apr 2024
Azwa Technology LLC *Internship*

- Digitizing provider schedules for streamlined doctor appointments with a team of 20 people.
- Enhancing healthcare accessibility via intuitive online booking, benefiting patients and providers.

Web Developer and Designer Sep 2023 - Oct 2023
Internsavy *Internship*

- Implemented a sleek Contact Form and crafted a standout personal website.
- Developed a Weather App and Countdown Timer, enriching web experiences.

Back End Developer Mar 2023 - May 2023
EdGame *Internship*

- Developed APIs for retrieving and updating user profile information, streaks, and other essential details.
- Built APIs to retrieve lists of tools and courses created by specific creators with 4 team members.

PROJECTS

AI Image Captioning App: Developed a neural network-based image captioning model using TensorFlow, focusing on cross-entropy loss and RMSprop optimization. Integrated beam search decoding and multiple evaluation metrics for robust caption generation. Enhanced with attention mechanism and mobile optimization.

Expense Tracking App: ExpensePro is a Kotlin-based Android app enabling users to effortlessly track expenses and income. Employing Firebase for authentication and database storage, it facilitates transaction management with features like detailed records, visibility options, reports, and Excel export functionality.

Airline Ticket Reservation Website: This project is a PHP-based system facilitating flight booking. It includes admin and user sections for managing bookings and flight schedules. Utilizes PHP, CSS, JavaScript, and Bootstrap. Requires XAMPP server. Enhances customer experience and airline efficiency.

Dynamic OMR Examination App: Spearheaded the development of a Flutter-based mobile application enabling educators to create, manage, and evaluate OMR-based exams. Implemented dynamic template generation using Aspose SDK based on user-defined parameters like exam name, number of questions, and columns. Integrated Hive for local storage, supporting multiple exams with persistent data. Features include customizable answer keys, student scoring through OMR scanning, and dynamic exam-wise operations such as template download, scan, and score tracking.