Nithin V S

Bengaluru, Karnataka
nithinvs488@gmail.com
+918123040488

I am a dedicated Software and Hardware Engineer with a strong passion for building innovative solutions that integrate software development with embedded systems. Currently working as a Junior Engineer at Ka-naada Phonetics Pvt. Ltd., I bring hands-on experience in Python programming, web development, microcontroller integration, robotics, and OpenCV-based computer vision. I also lead the strategic and technical operations of multilingual e-commerce platforms such as సరమీహల.com and सरामीहल.भारत. With a deep commitment to promoting Indian languages through technology and strong problem-solving abilities, I aim to create meaningful and accessible digital experiences.

Willing to relocate: Anywhere

Personal Details

Date of Birth: 2002-04-02
Eligible to work in: India
Highest Career Level: 1-2 years experience
Industry: Software Development
Total years of experience: 1

Work Experience

Junior Software Engineer

Ka-naada phonetics Pvt Ltd-India
Full-time
1 month notice period
July 2024 to Present • Full-time

Job Title: Junior Engineer – Software & Hardware Systems

Company: Ka-naada Phonetics Pvt. Ltd.

Duration: July 2024 – Present
Job Description:

As a Junior Engineer, I play a key role in developing innovative, multilingual software and hardware solutions, with a strong focus on promoting Indian language technologies. My contributions include:

• Python Application Development: Creating internal tools and client-focused solutions, including GUI-based applications.

• Multilingual Web Development: Built and maintained localized e-commerce platforms (e.g., సరమీహల.com, सरामीहल.भारत) with a strong focus on user experience and language adaptability.

• Offline Speech-to-Text Systems: Designed and implemented offline speech recognition tools for Indic languages using open-source models (e.g., VOSK), enabling real-time transcription without internet connectivity.

• Domain-Specific Language Tools: Developed sector-specific pronunciation guides and glossaries for Panchayat Raj systems in multiple Indian languages; ongoing expansion into other sectors.

• Microcontroller Programming: Programmed and integrated sensors and robotic components using Arduino and Raspberry Pi 5.

• Computer Vision Projects: Built OpenCV-based solutions for real-time image and video processing in educational and automation applications.

• Educational Tools: Developed an interactive multilingual typing tutor to support Indian language learning and literacy.

• Version Control & Collaboration: Manage codebases and collaborate across teams using Git and structured workflows.

• R&D in Indian Language Tech: Actively involved in research on phonetics, digital learning systems, and linguistic computing for Indian scripts and dialects.

Education

BCA in Computer application

Bangalore North University-India

Full-time | January 2020 to September 2023

Scored: 8.6

Skills / IT Skills

• MySQL (1 year)

• JavaScript (1 year)

• Java

• Software development (1 year)

• HTML (1 year)

• CSS (2 years)

• SQL (1 year)

• APIs (1 year)

• Communication skills

• Python (1 year)

• Git

Languages

• Kannada - Fluent
• Telugu - Native
• English - Fluent
• Hindi - Intermediate

Online Profile

https://www.linkedin.com/in/nithin-v-s32

https://nithinvs32.github.io/resume

Certifications and Licenses

Problem Solving though programing in C , NPTEL

October 2021 to Present

NPTEL – Problem Solving Through Programming in C

Completed an NPTEL course focused on developing logical thinking and programming skills using C. Gained hands-on experience in writing efficient code, solving algorithmic problems, and understanding core programming concepts.