# RAMA SAI SHASHANK NATUKULA

Email: ramasaishashank125@gmail.com

Aspiring AI & Full-Stack Developer

LinkedIn          |          GitHub          |          Portfolio          |          Mobile: +91 7659087289

Full-stack and AI developer experienced in building React + FastAPI applications, AI-powered tools, Python automation, and secure backend systems. Good knowledge of API integrations, cloud storage, and modern frontend design.

## SKILLS SUMMARY

- **Programming:** Python, JavaScript, HTML, CSS, PHP
- **Frameworks:** React.js, FastAPI (Basic)
- **Databases:** MySQL
- **AI & Tools:** OpenAI APIs, Hugging Face Flux, AI Automation Tools
- **Platforms & Tools:** Git, GitHub, Vercel, VS Code

## PROJECTS

**MediVault – Digital Health Vault (React + FastAPI)| GithubLINK**

- Secure patient–clinic health record system with OTP login & JWT authentication. Integrated AWS S3 for upload, download, and management of medical files.
- Role-based access for patient, clinic, and admin dashboards. Includes vault, profile update, sidebar navigation, and file sharing features.

**NOVA – Desktop AI Voice Assistant (Python)| GithubLINK**

- Smart voice agent with natural conversational responses and modular features. WhatsApp Desktop automation for voice-controlled messaging.
- Built PyQt5 GUI with real-time voice output and system controls. Supports web search, app launching, and expandable automation modules.

**NovaVision – AI Image Generator (Full Stack)| GithubLINK | LiveDemo**

- Generates AI images from text prompts using Hugging Face FLUX. FastAPI backend for prompt processing and image generation.
- React frontend with animations, gallery, loaders, and download/share options.

**QuickNotes – PHP Notes App| GithubLINK | LiveDemo**

- Simple online notes system with signup/login & hashed passwords. Create, edit, delete notes with MySQL storage.
- Deployed on free hosting with clean UI.

## TECHNICAL PRACTICE

- Developed React + FastAPI applications with secure JWT-based auth and AWS S3 integration.
- Built automation scripts, desktop assistants, and AI-integrated applications using Python.
- Created small PHP scripts for form handling, arrays, loops, sessions, and MySQL CRUD basics.
- Practicing backend logic using native PHP and basic routing.

## TESTING EXPERIENCE

- Performed manual testing for full-stack apps (auth flow, API responses, UI validation).
- Used Postman for API testing (FastAPI / Flask endpoints).
- Basic understanding of test cases, bug reporting, and validation checks.
- Debugged backend logic and UI issues during project development.

Tested the QuickNotes PHP app for CRUD operations, invalid inputs, and UI behavior to ensure stable functionality.

## EDUCATION

**QIS College of Engineering and Technology**                                Ongole, AP, India
B. Tech, Computer Science in IOT and Cyber Security with BCT; GPA: 8.22        **June 2022 - April 2026**
**Narayana Jr. College**                                                      Nellore, AP, India
Intermediate, MPC; GPA: 7.89                                                  **June 2020 - April 2022**
**ST. Joseph's E. M. High School**                                            Nellore, AP, India
SSC; GPA: 9.82                                                                **June 2019 - April 2020**

## CERTIFICATES

**Python for Machine Learning (Great Learning) | CERTIFICATE**                November 2023
- Gained hands-on experience with Python basics, data preprocessing, and ML workflows.

**Learn to Build a Real Time Website like Groww – Frontend (NullClass) | CERTIFICATE**        February 2025
- Learned modern frontend practices using HTML, CSS, JavaScript, and responsive UI design.

**Python Project: Build a PDF File Handling Tool from Scratch (Udemy) | CERTIFICATE**        March 2025
- Built a Python tool for PDF creation, merging, splitting, and text extraction.