

# Shanjay Athithya

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## EDUCATION

### SSN COLLEGE OF ENGINEERING B.TECH IN INFORMATION TECHNOLOGY

Chengalpattu, Tamil Nadu  
GPA: 8.45 | Grad: Jul 2026

### KEINS MATRIC HR SEC SCHOOL HIGHER SECONDARY CERTIFICATE

Valliyur, Tirunelveli, Tamil Nadu  
Percentage: 94.7 | Grad: May 2022

## LINKS

Github: [shanjay-athithya](#)  
LinkedIn: [Shanjay Athithya](#)  
Coding Profile: [shanjay-athithya](#)

## COURSEWORK

Data Structures  
Algorithms  
Object Oriented Programming  
Design Patterns  
Database Management Systems  
Networks  
Microprocessor and Microcontroller  
Human Resources  
Universal Human Values

## SKILLS

Languages  
Python • HTML5 • CSS/TailwindCSS •  
Javascript • Java • C++  
Frameworks  
Django • Flask  
Databases  
SQL/MySQL • SQLite3 • FireBase  
Libraries  
Numpy • Pandas • ReactJs  
Tools  
VSCode • GitHub  
Others  
API • Online Privacy and Security

## CERTIFICATIONS (5)

- [Django Essentials](#) [Link]
- [Programming In Java](#) [Link]
- [Crash Course On Python](#) [Link]
- [Privacy and Security in Online Social Media](#) [Link]
- [Communication-TCS](#) [Link]

## EXPERIENCE

### NEXGENFLOW PROJECT HEAD | SCRUM MASTER

- Managed a team of 4 developers for NexGenFlow, overseeing project execution and led the development and deployment of the System.

### BLOODSYNC PROJECT LEAD | SCRUM MASTER

- Directed a team of 4 members, coordinated project activities, elevated sprints as Scrum Master, and ensured timely delivery of milestones.

### BETA TEAM LEAD

- Headed a team of 3 developers in project Beta, extracting the best out of the team.

## PROJECTS(4)

### CLIMATE MONITORING SYSTEM [Climard]

ARDUINO | C++ | WiFi | HTTP | IoT | SENSORS  
Jun 2024 – Jul 2024

- Designed real-time climate monitoring system, increasing data accuracy by 22 percent.
- Deployed WiFi-based protocol for sensor data transmission, boosting efficiency by 30 percent and reducing latency by 50 percent.
- Increased monitoring accuracy with periodic threshold updates, reducing error rates by 15 percent.

### CHATBOT FOR CAREER AND JOB OPPORTUNITIES [Beta]

NEXT.JS | REACT.JS | TAILWINDCSS  
May 2024 – Jun 2024

- Engineered a sophisticated chatbot solution that supported 250+ users with tailored job query responses.
- Enhanced response relevance by 40 percent through detailed conversation tracking.
- Reduced response time by 25 percent using real-time API integration.

### WATERFLOW MANAGEMENT SYSTEM [NexGenFlow]

DJANGO | PYTHON | SQLITE3 | JAVASCRIPT | HTML | CSS | NEO4J  
Apr 2024 – May 2024

- Improved water flow optimization by 25 percent through data-driven decisions.
- Analyzed flow rates and efficiency, improving network performance by 18 percent.
- Ensured data integrity by preventing duplicate edges and automated pipe length calculations, increasing accuracy by 12 percent.

### BLOODBANK MANAGEMENT SYSTEM [BloodSync]

DJANGO | PYTHON | SQLITE3 | HTML | CSS | JAVASCRIPT  
Nov 2023 – Dec 2023

- Managed a database of 550+ donor records with a comprehensive blood bank system.
- Enhanced efficiency by 28 percent through integrated patient, donor, and inventory management.
- Optimized donor matching process, cutting search time by 35 percent.

