

# BARANI A

B.E-ComputerScienceand Engineering



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Dharmapuri, Tamil Nadu



Barani A



Barani23M



Barani

## OBJECTIVE

As a final-year Computer Science student with strong knowledge in Java, Flutter, Node.js, SQL, and React, I am seeking opportunities to apply my technical skills and problem-solving abilities in a dynamic organization. I aim to contribute to impactful projects while gaining hands-on experience, enhancing my expertise in software development, and growing as a professional in the IT industry.

## EDUCATION PROFILE

### B.E-COMPUTER SCIENCE & ENGINEERING

EXCEL ENGINEERING COLLEGE  
2022 – 2026

**CGPA: 7.95**

### HIGHER SECONDARY

Vaagai Vidhiyalaya Matric  
Hr sec School H.Pudupatti  
Dharmapuri Tamil Nadu.

2021 – 2022

**81%**

### SSLC

Vaagai Vidhiyalaya Matric  
Hr sec School H.Pudupatti  
Dharmapuri Tamil Nadu.

2019 – 2020

**96%**

## TECH SKILLS

- Java Programming
- Flutter ,HTML,CSS
- SQL , Mongo DB
- JavaScript , Express js
- NODE JS, Spring Boot
- Git,Github
- Debugging

## LANGUAGE

- Tamil(Read,Write ,Speak)
- English (Read, Write ,Speak)

## PROJECTS

### 1. Anti-Drug Assistant Web Application

Developed a full-stack web application using Flask and SQLite to help users avoid harmful substances through personalized recovery plans, meditation, nutrition, and chatbot support. Integrated AI assistance and user authentication to provide a secure, interactive platform for awareness and rehabilitation.

### 2. Pregnancy and Baby Care Assistant

Developed a comprehensive health monitoring system using React Js and Node js and Supabase. Tracks maternal health during pregnancy and newborn development post-delivery using unique child IDs. Integrated features include vaccination reminders, digital health records, and birth certificate generation. Ensures early education tracking and streamlined access to essential services for mothers and infants.

### 3. FarmSmart AI: Precision Agriculture App

Developed FarmSmart AI, a Flutter-based mobile application focused on precision agriculture. The app integrates Soil Health Card data, real-time weather updates, and AI-powered Leaf Color Chart analysis to generate personalized farming recommendations. A Python backend with Supabase handles user authentication, data storage, and machine learning insights. This solution enables farmers to optimize fertilizer use, crop selection, and irrigation for sustainable farming.

## INTERNSHIPS

### Domain : Web Development at NXTLOGIC : 30 Days

Completed a 30-day Web Development internship at NXTLOGIC,

During my 30-day internship at NextLogic Solutions, I worked as a Backend Developer Intern where I developed and optimized server-side features using Node.js and Express.js. I created RESTful APIs, implemented database operations, and contributed to improving backend performance and reliability. I also supported debugging, issue resolution, and SDLC tasks such as testing and deployment. This internship enhanced my backend development skills, problem-solving ability, and teamwork in an agile development environment.

## **Domain : Web Development at CRESCENT INFOTECH : 30 Days**

During my 30-day internship at Crescent Infotech, I worked as a Backend Developer Intern focusing on Node.js and Express.js. I developed API endpoints, integrated database operations, and improved backend workflows for better performance and reliability. I also participated in debugging, issue analysis, and SDLC activities such as testing and refining server-side logic. This internship strengthened my backend development skills, problem-solving ability, and teamwork in an agile environment.

## **SOFT SKILLS**

- Strong Problem-Solving and Analytical Thinking
- Effective Communication and Team Collaboration
- Adaptability and Quick Learning
- Time Management and Task Prioritization
- Creativity and Innovative Thinking
- Leadership and Project Ownership

## **CERTIFICATION**

- **Udemy Certificate:** Programming in Java
- **Udemy Certificate:** Programming in JavaScript
- **Udemy Certificate:** Trending Stocks with Python, Twitter, and ChatGPT
- **GUVI Certificate:** JavaScript
- **Paper Presentation:** Knowledge Institute of Technology
- **Workshops Attended:** Web Development, Power BI, AI & Machine Learning

## **AREA OF INTERESTS**

- UI/UX Designing
- Software Development
- Software Testing
- Flutter Development

## **ACHIEVEMENTS**

### **APPVIEWX PAYODA HACKATHON**

- AppViewX – Payoda Hackathon Winner: Led the development of a full-stack solution during a time-restricted hackathon. Designed and built a scalable prototype using React.js, Node.js, Flask, and SQL, implementing real-time data processing, API integration, and optimized UI/UX. Introduced an AI-assisted module and delivered a technical presentation to judges, showcasing innovation and teamwork.
- Paper Presentation – Knowledge Institute of Technology: Presented a technical paper demonstrating analytical and communication skills.

## **DECLARATION**

I hereby declare that all the information provided above is true to the best of my knowledge and belief. I bear the responsibility for the correctness of the above-mentioned particulars.