

# R.NAGAARUN PRASATH

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Phone : +91 73977 04090.

Location : Madurai, Tamil Nadu , India

## CAREER OBJECTIVE :

Recent graduate with hands-on skills in **Python development, SQL, JavaScript, and REST API integration** to deliver scalable solutions. Passionate about Software Developer, for coding problem-solving, delivering efficient solutions. Quick learner with the ability to adapt to new tools and technologies, aiming to contribute to a dynamic software development team.

## EDUCATION :

### **MASTER OF COMPUTER APPLICATIONS (MCA) [2023-2025]**

ARUL ANANDAR COLLEGE (Autonomous) – Karumathur, Madurai.

CGPA : 81.4

### **BACHELOR OF INFORMATION TECHNOLOGY (B.SC) [2020-2023]**

ARUL ANANDAR COLLEGE (Autonomous) – Karumathur, Madurai.

CGPA : 78

### **HIGHER SECONDARY (XII) – STATE BOARD OF TAMIL NADU**

Vivekananda Higher Secondary School – Thiruvudagam, Madurai | **2019 - 2020 | 68% Percentage.**

### **SECONDARY SCHOOL (X) – STATE BOARD OF TAMIL NADU**

Vivekananda Matriculation Higher Secondary School – Thiruvudagam, Madurai | **2018 - 2019 | 78% Percentage.**

## **SKILLS :**

### TECHNICAL SKILLS :

**PROGRAMMING LANGUAGES** : PYTHON, PHP, JAVASCRIPT, SQL, JAVA.

**WEB TECHNOLOGIES** : HTML, CSS, JAVASCRIPT, REACT.

**FRAMEWORKS & LIBRARIES** : DJANGO, FLUTTER, NODE.JS, TAILWIND, BOOTSTRAP, NUMPY, PANDAS, FIREBASE,

DATA ANALYTICS (POWER BI), REST API.

**DATABASES** : MYSQL, SQLITE, MONGODB.

**VERSION CONTROL & TOOLS** : GIT, GITHUB, VS CODE, JUPYTER NOTEBOOK, BLENDER (3D ANIMATION).

**SOFT SKILLS** : COMMUNICATION, TEAMWORK, PROBLEM-SOLVING.

## **PROJECTS :**

### **1. AAC – ALUMNI WEB PORTAL | MAY 2025 | ONSITE**

TECH STACK: **REACT | NODE.JS | MongoDB** (Mern Stack).

- **WEB-BASED SYSTEM FOR MANAGING ALUMNI RECORDS AND SEND MESSAGES.**
- **IMPLEMENTED CRUD OPERATIONS AND ROLE-BASED LOGIN.**
- **IMPLEMENTED REST API ENDPOINTS FOR USER AUTHENTICATION AND TASK MANAGEMENT.**

[VIEW MY PROJECT](#)

### **2. AAC – ONLINE ASSESMENT SYSTEM | APRIL 2025 | ONSITE**

TECH STACK: **REACT | NODE.JS | MongoDB** (Mern Stack).

- **DEVELOPED A WEB-BASED PLATFORM FOR CONDUCTING ONLINE TESTS AND QUIZZES.**
- **IMPLEMENTED USER ROLES (ADMIN, INSTRUCTOR, STUDENT) WITH SECURE LOGIN AND AUTHENTICATION.**
- **DESIGNED QUESTION BANK MANAGEMENT WITH CRUD OPERATIONS FOR ADDING, EDITING, AND DELETING QUESTIONS.**
- **INTEGRATED TIMER-BASED ASSESSMENTS WITH AUTOMATIC SUBMISSION AFTER THE TIME LIMIT.**
- **GENERATED REAL-TIME RESULTS AND ANALYTICS INCLUDING SCORE, ACCURACY, AND PERFORMANCE REPORTS.**
- **USED SQL/MONGODB FOR STORING USER DETAILS, TEST QUESTIONS, AND RESULTS EFFICIENTLY.**

[VIEW MY PROJECT](#)

### **3. DOCUMENT-BASED CHATBOT USING RAG AND AI | JUNE 2025 | ONSITE**

TECH STACK: **PYTHON | OPEN AI LLM |**

- **DEVELOPED A DOCUMENT-BASED CHATBOT CAPABLE OF ANSWERING USER QUERIES FROM UPLOADED FILES (PDF, WORD, TEXT).**
- **IMPLEMENTED RETRIEVAL-AUGMENTED GENERATION (RAG) PIPELINE TO FETCH RELEVANT DOCUMENT CHUNKS BEFORE GENERATING RESPONSES.**
- **USED LANGCHAIN FOR DOCUMENT PARSING, CHUNKING, AND RETRIEVAL WORKFLOWS.**

[VIEW MY PROJECT](#)

### **4. AUTOMATED ANSWER EVALUATION SYSTEM | 2022 | LOCAL**

- **KEYWORD EXTRACTION – EXTRACT IMPORTANT KEYWORDS FROM THE MODEL ANSWER AND COMPARE THEM WITH STUDENT RESPONSES.**
- **SIMILARITY CHECK – USE TEXT SIMILARITY (COSINE SIMILARITY, SEMANTIC MATCHING, NLP TECHNIQUES) TO MEASURE HOW CLOSE THE STUDENT ANSWER IS TO THE EXPECTED ONE.**
- **AUTOMATED SCORING & FEEDBACK – ASSIGN MARKS BASED ON KEYWORD MATCH RATIO AND PROVIDE INSTANT FEEDBACK ON MISSING OR EXTRA POINTS.**

**“For more projects, please visit my portfolio.”**

## **INTERNSHIP / TRAINING SECTION PATTERN**

ERP – SECTION OF ARUL ANANDAR COLLEGE (Autonomous)

ROLE : Core App Developer

### **CERTIFICATIONS :**

1. **MONGODB FOR BEGINNERS** | FROM MONGO DB | 2024 | [VIEW MY CERTIFICATE.](#)
2. **DEEP LEARNING FOR BEGINNERS** | FROM INFOSYS | 2024 | [VIEW MY CERTIFICATE.](#)
3. **CYBER SECURITY COURSE** | FROM TATA STRIVE AND MICROSOFT | [VIEW MY CERTIFICATE.](#)
4. **PYTHON COURSE COMPLETION** | ELYSIUM TECHNOLOGIES | 2023 | **HARD COPY**

### **LATEST ACHIEVEMENTS :**

1. **WON 1ST PRIZE IN A PAPER PRESENTATION ON “AUGMENTED REALITY & VIRTUAL REALITY” AT FATHIMA COLLEGE FOR PRESENTING INNOVATIVE APPLICATIONS OF AR/VR IN REAL-WORLD SCENARIOS.**
2. **AWARDED 2ND PRIZE IN AN ANIMATION CONTEST AT JAYARAJ ANNAPACKIYAM COLLEGE TECH FEST 2025, FOR CREATING A 3D SHORT ANIMATION USING FLASH.**
3. **AUTOMATED MOTOR CONTROLLER FOR FARMERS (IOT + WEB APP)**  
**TECH STACK: IOT SENSORS, ARDUINO WEB APPLICATION (PHP, REACT)**
  - DESIGNED A SMART SYSTEM TO REMOTELY CONTROL WATER PUMPS FOR FARMERS THROUGH A MOBILE APPLICATION.
  - INTEGRATED IOT SENSORS TO MONITOR WATER LEVELS AND AUTOMATE MOTOR SWITCHING.
  - IMPROVED WATER MANAGEMENT EFFICIENCY AND REDUCED MANUAL EFFORT FOR FARMERS.
  - PRESENTED AT **IOT CONTEST, ST. JOSEPH’S COLLEGE, TRICHY – 2024.**

### **DECLARATION :**

I HEREBY DECLARE THAT ALL THE INFORMATION FURNISHED ABOVE IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I TAKE FULL RESPONSIBILITY FOR THE AUTHENTICITY OF THE DETAILS PROVIDED.