

R.NAGAARUN PRASATH

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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 – Thiruvedagam, Madurai | 2019 - 2020 | 68% Percentage.

SECONDARY SCHOOL (X) – STATE BOARD OF TAMIL NADU

Vivekananda Matriculation Higher Secondary School – Thiruvedagam, 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 ASSESSMENT 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.