

# ARAVINTHAN ARAVAZHI

## JUNIOR SOFTWARE ENGINEER

### CONTACT

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<https://github.com/Arav2002>

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### SKILLS

#### PROGRAMMING SKILLS

- C#
- Python
- SQL(Mysql,Postgres)
- HTML,CSS,JavaScript

#### TECHNICAL SKILLS

- Power BI
- Document Intelligence
- Data Analytics
- Web Development
- Mobile Apps Development
- Testing

#### AWARDS AND ACHIVEMENTS

- The Joy Of Computing Using Python
- Cloud Practitioner (AWS)
- .NET with SQL (VAC)
- Power BI

#### TOOLS

- Microsoft Visual Studio
- Visual Studio Code
- Python Programming with IDLE
- PyCharm IDE
- Git
- Anaconda

#### INTERNSHIP PROGRAM

- Full Stack Web Development
- Data Science With Python

### PROFILE

Expertise in business management, team leadership, and software project management, with a focus on process optimization. Proficient in programming, data analytics, and cloud technologies. Strong problem-solving, strategic decision-making, and solution delivery skills.

### AI LAB TECHNOLOGIES

#### Aerexpress Aircraft Rental Management System

- Technologies : DevExpress Blazor, C#, SQL
- Architecture: 3-Tier (Web Services, API, Data Accessing Layer)
- Integrated SQL with efficient data handling, ensuring smooth front-end, API, and data layer interactions, while implementing role-based security and multi-level access control.

#### Timesheet Extraction and Payroll Generation System

- Technologies : Azure AI Document Intelligence, DevExpress Blazor, C#, PostgreSQL
- Architecture : 2-Tier (Web Services and Data Accessing Layer)
- Automate and streamline the timesheet extraction and payroll generation process to enhance accuracy and efficiency in payroll calculations, while providing real-time data insights.

#### ERP System

- Implemented and customized ERP modules (sales, purchase, vendor portal) to optimize business processes, enhance procurement efficiency, and streamline order tracking and invoicing workflows.
- Developed and tailored progressive claims and estimation modules to improve process efficiency, ensure accuracy, and optimize project cost management.

#### Testing

- **Testing Types:** Manual Testing, Unit Testing, Integration Testing, Functional Testing, Stress Testing.
- **Expertise:** Test Case Development, Defect Tracking, and System Reliability Assurance
- **Technologies:** API Testing, Database Validation
- **Methodologies:** Agile Environments, High-Quality Solution Delivery

### EDUCATION



#### Bachelor of Technology in Computer Science & Engineering

Periyar Maniammai Institute of Science & Technology (2020 – 2024)  
CGPA:8.46



#### HSC

New Bharath Matriculation Higher Secondary School (2019-2020)  
Percentage : 66.8%



#### SSLC

R .C. Fatima Matriculation Higher Secondary School (2017-2018)  
Percentage : 86.4%

### ACADEMIC PROJECTS

#### IoT-Based Machine Learning Model for Biogas Production Monitoring

- Technologies: Python, IoT Sensors (pH, Ammonia, Methane, Temperature, Pressure), Machine Learning Algorithms (Random Forest, K-Nearest Neighbours, Decision Tree)