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Payilagam, the **Best Software Training Institute In Chennai With 100% Placement Guarantee**, has been shaping successful IT careers with over **13+ Years Of Experience**. We provide real-time, industry-focused training led by **Experienced Professionals** from the IT industry, ensuring you gain practical skills that companies actually need. Our courses include **HTML, CSS, JavaScript, React, Java, Python, PostgreSQL, GitLab, And WordPress**, designed to make you job-ready from day one. At Payilagam, we don't just teach, we guide you step-by-step towards your career with our **100% Job Guaranteed Courses**, helping you confidently step into the IT industry.



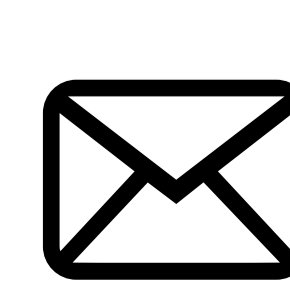
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OUR LATEST PLACEMENTS



Megha **BE AI (2025)**

ML DATA ASSOCIATE ROLE 1



Sasireka **MSc. CS (2025)**

ASSISTANT SYSTEM ENGINEER



Divya Bharathi **BE ECE (2026)**

SOFTWARE ENGINEER



Ramya **B.E. CSE (2025)**

DATA ANALYST



Vidhya Varshini
B E Aeronautical (2025)

WEB DEVELOPER



Deenadhayalan **BSc CS (2025)**

TECHNICAL SUPPORT ENGINEER



Dharshini E **B.E CSE (2025)**

FULL STACK DEVELOPER INTERN



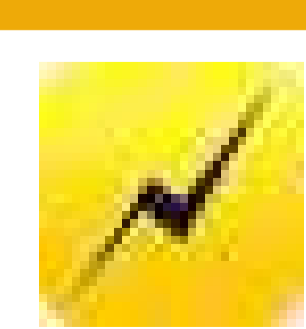
Vimala G **BE ECE (2016)**

SOFTWARE ENGINEER



Ramesh **B.Com (2025)**

SOFTWARE ENGINEER



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OUR LATEST PLACEMENTS



Sathish **MSc (2023)**

SOFTWARE ENGINEER



Ranjith **BSc Physics(2021)**

ANGULAR DEVELOPER



Bharath **MSc Maths (2021)**

ANGULAR DEVELOPER



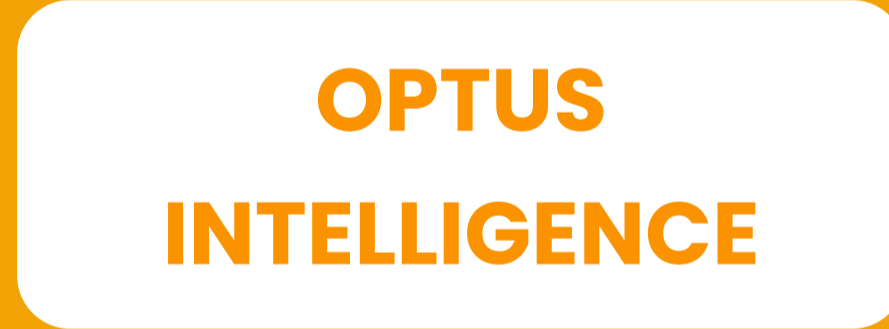
Iyappan **MCA (2025)**

SOFTWARE ENGINEER



Bhuvana Sri R **B.E CSE (2025)**

SOFTWARE ENGINEER



Pavithra **MCA (2025)**

NETWORK ENGINEER



Keerthika **MCA (2025)**

REACT DEVELOPER



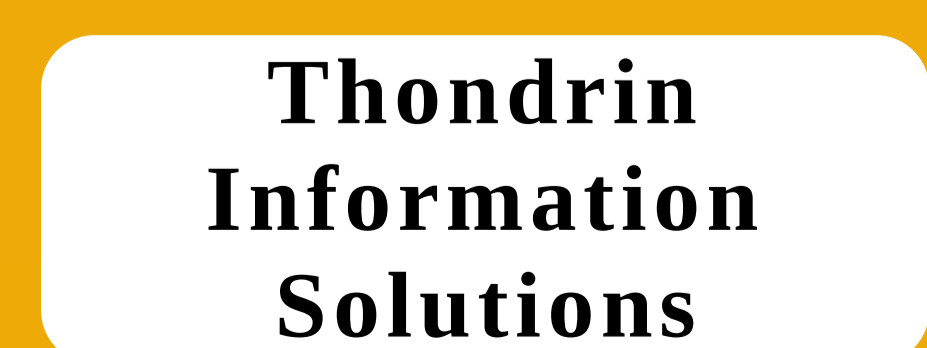
Vasanth S **B.E Mech (2021)**

SOFTWARE ENGINEER



Gayathri **BE CSE (2025)**

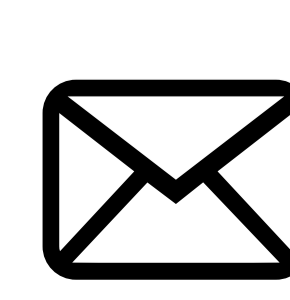
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OUR LATEST PLACEMENTS



Vadivu Lakshmi G
MSc Chemistry(2018)

FULL STACK DEVELOPER INTERN



Ponvel M **BE CSE (2024)**

SOFTWARE ENGINEER

Thondrin
Information
Solutions



Uthaya **ME (2015)**

ANGULAR DEVELOPER



AJAY RAJA **B.Tech CSE (2025)**

DEVOPS ENGINEER INTERN



Ashok **BE ECE (2025)**

DATA ANALYST INTERN



Manikandan **B.Sc (2025)**

DATA ANALYST



Vigneshwaralingam
B.E CSE (2025)

SOFTWARE ENGINEER



Swetha.P **B.Sc CS (2025)**

SOFTWARE ENGINEER INTERN



Kavya S **BE CSE (2025)**

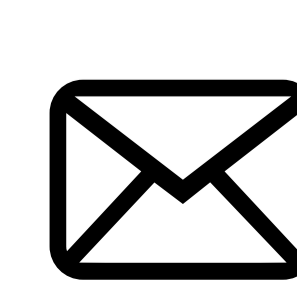
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POSTGRESQL

Module 1: Introduction To Databases And PostgreSQL

- What Is A Database? Types Of Databases
- RDBMS Vs NoSQL (With Examples)
- Why PostgreSQL?, Installing PostgreSQL And PgAdmin
- Introduction To PostgreSQL Ecosystem (CLI Tools, GUI, Drivers)

Module 2: SQL Basics – Table Operations & CRUD

- Filtering With WHERE, AND, OR, IN, BETWEEN, LIKE
- Sorting Results: ORDER BY
- Limiting Data: LIMIT, OFFSET
- Aggregate Functions: COUNT, SUM, AVG, MIN, MAX
- Grouping Data: GROUP BY, HAVING

Module 3: Advanced Joins And Subqueries

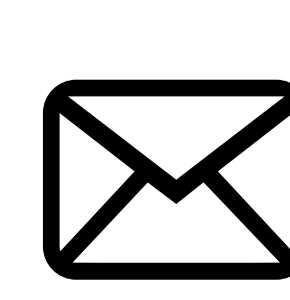
- Types Of Joins:
 - INNER JOIN, LEFT JOIN, RIGHT JOIN, FULL OUTER JOIN
- Writing Nested Queries And Subqueries
- Using Subqueries In SELECT, WHERE, FROM
- Use Cases In Reporting And Data Analysis

Module 4: Views, Indexes, And Query Optimization

- Creating And Using VIEWS
- Materialized Views: Use Cases And Refreshing
- Creating Indexes: B-Tree
- Expression-Based Indexes
- Query Optimization Basics With EXPLAIN ANALYZE
- When And How Indexes Improve Performance

Module 5: Transactions And Data Integrity

- Transactions: BEGIN, COMMIT, ROLLBACK
- Ensuring ACID Properties
- Save Points And Nested Transactions
- Handling Transaction Errors
- Use Cases: Banking Systems, Form Submissions



POSTGRESQL

Module 6: Functions, Stored Procedures, And Triggers

- Defining SQL & PL/PgSQL Functions
- Returning Values, Variables, And Conditional Logic
- Stored Procedures
- Triggers:
 - BEFORE And AFTER Triggers For INSERT, UPDATE, DELETE

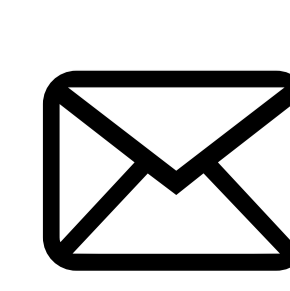
Module 7: Relational Modeling And Database Design

- **Normalization:**
 - 1NF, 2NF, 3NF With Examples
- Entity Relationship Diagrams (ERD)
- **Implementing:**
 - One-To-One
 - One-To-Many
 - Many-To-Many (Junction Tables)
- Using UUID As Primary Keys

Module 8: Access Control And Security

- Creating Database Users And Roles
- **Granting And Revoking Permissions:**
 - GRANT, REVOKE
- Role-Based Access Control (RBAC)
- Best Practices For Securing PostgreSQL In Production
- Schema-Level And Table-Level Permissions

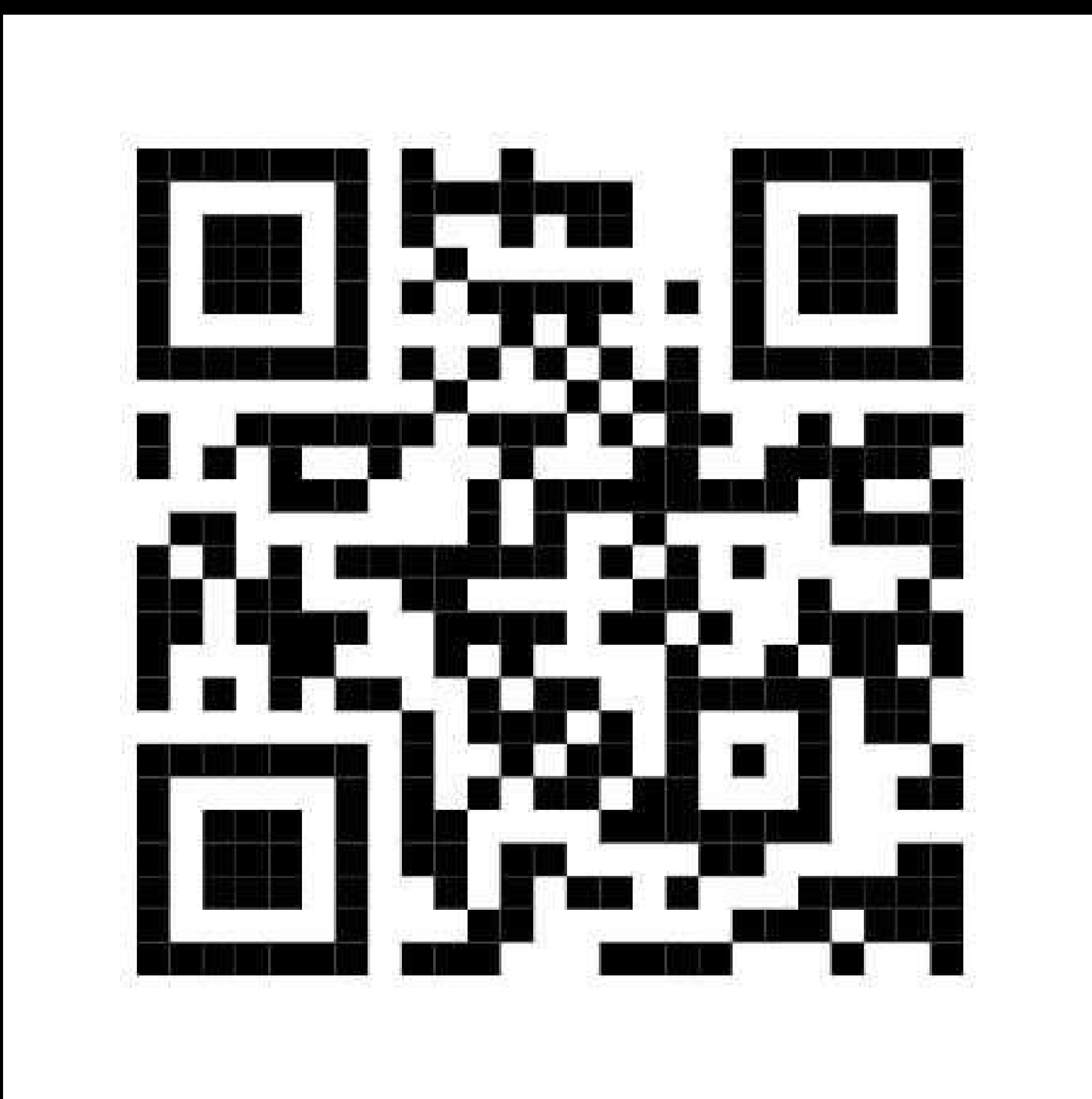
Assignments Will Be Given After Each Module



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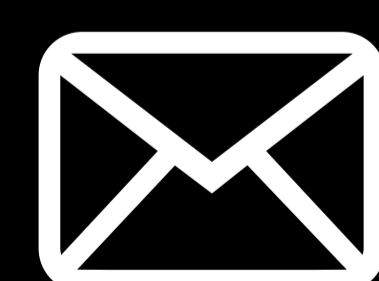


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