

# PAGALAVAN VETRIVENDHAN

## FULL STACK DEVELOPER

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### Technical Skills

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- **Frontend Development** : HTML, CSS, Bootstrap, jQuery, JavaScript, TypeScript, Angular
- **Backend** : Node.js, Express.js, NestJS, RESTful APIs
- **Database & ORM** : Microsoft SQL, PostgreSQL, MySQL, Prisma, TypeORM
- **Tools** : Git, GitHub, Postman, Azure Data Factory, SSIS, Azure DevOps
- **Practices** : SOLID Principles, JWT, OAuth, ETL Workflows, Agile Development

### Education

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- B.E - Electronics and Communication Engineering**, Kongu Engineering College **Aug 2018 – Apr 2022**
- GPA: 8.59/10 with **First Class** Distinction
- Higher Secondary Education**, Sree Vetri Vikas Matric Hr Sec School **Jun 2017 – Apr 2018**
- Percentage: 88.8

### Experience

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**Software Engineer - Accenture | 2.8 Years** **Nov 2022 - Present**

#### Database

- Designed and optimized **SQL queries** and **stored procedures** for efficient **CRUD operations** and analytics.
- Automated **ETL pipelines** using **SSIS** and **Azure Data Factory**, ensuring reliable data integration.
- Improved stored procedure **performance** by up to **10%** through **query optimization** and **indexing**.

#### Frontend Development

- Built **responsive** and **dynamic web interfaces** using **Angular**, using **standalone components** for modularity.
- Integrated **RESTful APIs** for seamless **client-server communication**, enhancing real-time data interactions.
- Collaborated with team members to ensure **problem-solving** and adherence to **best practices** for scalable development.

#### Backend Development

- Built and deployed scalable **RESTful APIs** using **Node.js** and **Express.js**, ensuring secure data handling.
- Implemented **JWT-based authentication** and **OAuth** for secure user access and role management.
- Worked on **server-side logic** and **database interaction** to support **high-performing** web applications.

### Projects

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**Postgram** - Angular, Express.js, MSSQL, JWT, Bcrypt, REST API [Postgram](#)

- Built a **MEAN stack** application to facilitate **real-time post creation**, enabling collaborative user interaction.
- **Reduced API response time** by **30%** through optimized database queries and backend logic.
- Implemented **role-based access control**, **error handling**, and smooth **frontend-backend communication**.
- Deployed on **Netlify** and **Render**, leveraging **cloud platforms** for scalability and efficiency.

**Cafe Management** - NestJS, Prisma ORM, PostgreSQL, JWT [Documentation](#)

- Designed a **modular backend** to manage roles, reservations, and bookings with **Prisma** and **PostgreSQL**.
- Improved data handling **efficiency by 40%** with **schema-based** separation and optimized workflows.
- Automated **API integration** and streamlined developer onboarding with comprehensive **API documentation**.