

# GAVIN PERIS

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## PROFILE SUMMARY

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**Full-stack engineer** with a solid foundation in C# .NET, TypeScript, Angular, and cloud-native development. I enjoy building modern, intuitive web applications and reliable backend systems, and I'm increasingly drawn to the possibilities of AI-driven software. I'm someone who learns quickly, loves exploring new technologies, and takes pride in writing clean, thoughtful code. With a mix of hands-on experience and genuine curiosity, I'm well-suited for roles that combine full-stack development with emerging AI and cloud capabilities.

## SKILLS

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**Backend:** NET Core, Web API, Python (projects), Java (basic), Clean Architecture, Microservices

**Frontend:** TypeScript, React, Angular 19/20, TailwindCSS, UI/UX design principles, Responsive Design, SignalR (real-time)

**Cloud and Devops:** Azure App Services, Azure Functions, CI/CD (GitHub Actions, GitLab CI/CD, Azure DevOps), Docker, Kubernetes

**Databases and Storage:** SQL Server, MongoDB, Azure Blob Storage

**Testing:** Jest, Postman

**Tools:** SendGrid, Power Automate, VS Code, PyCharm

**Soft Skills:** Ownership, problem-solving, collaboration, product mindset, adaptability

## EXPERIENCE

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### Senior Systems Engineer

July 2021 – March 2024

*Infosys LTD*

*Mangalore , India*

- Was actively involved in **migration of backend microservices** of Document Management System Application from GCP to Kubernetes via Rancher, improving scalability, reliability, and deployment consistency.
- Developed and **integrated RESTful .NET Core APIs with Angular frontends**, enhancing UI responsiveness and reducing load times by **30%**.
- **Optimized data storage by migrating to SQL Server and MongoDB**, improving query performance by **30%** and system reliability.
- **Streamlined CI/CD pipelines using GitLab and Azure DevOps**, cutting release cycles from weeks to hours and enabling zero-downtime deployments.
- **Automated background jobs and business processes** (document processing, email notifications, Power Automate Flows), saving 15+ hours weekly and enhancing system performance.
- **Implemented monitoring, secure file handling, and email automation** via Application Insights, Azure Blob Storage, RBAC, and SendGrid, reducing incident response time by **40%** and supporting **10K+** users.

### Software Engineer

June 2019 – June 2021

*BrainWave(BWC) Labs Pvt LTD*

*Pune, India*

- Designed and implemented modular .NET Core Web APIs integrated with Angular frontends, modernizing a task management and analytics platform.
- **Built secure OTP-based authentication and user management** using ASP.NET Core Identity, ensuring seamless login workflows.
- **Migrated legacy JavaScript modules to Angular** and developed SignalR-based live dashboards, boosting performance and enabling real-time analytics.
- **Optimized SQL Server databases with Entity Framework**, improving API responsiveness and data retrieval times.
- **Enhanced code quality with xUnit/Jest testing** and CI/CD automation via GitLab and Docker, reducing production bugs by **30%** and enabling rapid deployments.
- **Supported Agile practices** through code reviews, sprint planning, and documentation, fostering cross-functional collaboration.

PROJECTS

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**Real-Time Dating Web Application** | *.NET Core9, Angular20, Azure, SQL Server, CI/CD*

July 2025 – Present

- Built a full-stack application using ASP.NET Core Web API + Angular following Clean Architecture and modular design, delivering secure JWT-based auth, RBAC, and scalable RESTful APIs.
- Developed a responsive Angular frontend with reactive forms, route protection, real-time validation, and SignalR integration for messaging and presence detection; enhanced UI with Tailwind CSS 4 + DaisyUI.
- Deployed to Azure App Services with Azure SQL, implemented automated CI/CD using GitHub Actions, and ensured reliability through Azure monitoring tools.

 [LINK](#)

**Self-Driving Car Simulation** | *Deep Learning, Computer Vision, Python, TensorFlow*

Nov. 2025 – Present

- Building and training Convolutional Neural Networks (CNNs) with Keras to simulate a fully functional self-driving car.
- Training models to recognize 43 different traffic signs and detect lane lines using essential computer vision techniques.
- Gaining hands-on experience in deep learning fundamentals, including perceptron-based neural networks and advanced CNN architectures.
- Applying real-world automotive-related algorithms to enhance model accuracy and simulation performance.

 [LINK](#)

EDUCATION

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**University Of Europe For Applied Sciences**

*M.SC in Software Engineering ( Grade - 8.36/10)*

Potsdam, Germany  
*March 2024 – Aug. 2025*

**N.M.A.M Institute Of Technology**

*Bachelor Of Engineering ( Grade - 7.86/10)*

Nitte, India  
*Aug. 2015 – May 2019*

LANGUAGES

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**English:** Fluent (Business Level)  
**German:** B1 (in progress)