

# Allen Darson C

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<https://allen-darson-portfolio.onrender.com>

## PROFESSIONAL SUMMARY

Engineering graduate with strong knowledge of SQL, Python, and SDLC concepts, combined with hands-on experience in database projects and testing workflows. Skilled in writing queries, debugging, and logical problem-solving. Adaptable and detail-oriented, with good communication skills to deliver efficient results in fast-paced environments.

## TECHNICAL SKILLS

**Programming Languages:** Python

**Web Development:** HTML, CSS, JavaScript, Django, Flask

**Database Management:** SQL (MySQL), Joins, Aggregations, MS-SQL (basic)

**Soft Skills:** Problem-Solving, Communication, Adaptability

**Tools:** VS Code, Git, GitHub, XAMPP, IDLE (Python), MS Excel

## PERSONAL PROJECTS

### Powerhouse Fitness (E-commerce)

July 2025 - August 2025

*Full-Stack Web Project*

*Tech Stack: HTML, CSS, Bootstrap, Django*

- Built a dynamic, scalable, and secure full-stack e-commerce site for gym products using Django, Bootstrap, and SQL.
- Implemented role-based, structured, and controlled access for Admin, Staff, Vendor, and User.
- Added CRUD, authentication, and cart features with secure login and database handling.
- Designed a responsive, interactive, and modern UI using Bootstrap, AOS, and Boxicons.

### Personal Portfolio Website

July 2025

*Frontend Project*

*Tech Stack: React JS, React Bootstrap, CSS, JavaScript*

- Developed a fully responsive portfolio website to highlight skills and projects using React JS and React Bootstrap.
- Implemented interactive components efficiently with useState and useEffect hooks.
- Created a well-organized layout with dedicated sections for About, Skills, Projects, and Contact.
- Deployed the website online, ensuring easy access and a user-friendly, optimized interface.

### Salary Management System (IBM)

March 2025

*Database Project*

*Tech Stack: SQL (MySQL)*

- Built a normalized payroll database with GENERATED columns and referential integrity.
- Wrote optimized SQL queries for salary analysis, departmental averages, and high earners.
- Executed CRUD operations and conditional updates to simulate HR and finance workflows.
- Examined salary data to produce reports providing insights such as deductions and departmental expenses.

## EDUCATION

### Sri Ramakrishna Engineering College

Coimbatore,Tamil Nadu

*Completed B.E. in Mechanical Engineering with CGPA of 7.69*

*2019–2023*

## CERTIFICATIONS

**Completed Python course at LIVEWIRE-Coimbatore, Tamil Nadu**

**Completed Full-Stack Python course at Indra Institute of Education-Coimbatore, Tamil Nadu**

**Completed SQL and Relational Databases 101 from Cognitive Class**