

David Arthasseril

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Education

New Jersey Institute of Technology

Bachelor of Science, Information Technology | GPA – 3.73

Newark, NJ

Sep. 2018 – Aug. 2024

Relevant Coursework

- Object Oriented Programming
- Internet Applications
- Principles of Operating Systems
- Probability & Statistics
- Database System Design & Management
- Information Design Techniques
- Data Structures & Algorithms
- Technical Writing

Experience

General & Technical Volunteer

Jun. 2018 – Aug. 2018

Belleville Public Library

Belleville, NJ

- Organized and managed Microsoft Excel spreadsheets containing sensitive customer information.
- Facilitated efficient check-in and check-out procedures, ensuring seamless transactions for library visitors.
- Delivered exceptional customer service by promptly addressing inquiries and assisting patrons in locating books.
- Maintained a welcoming atmosphere through meticulous upkeep and organization of the library space.
- Collaborated with fellow library staff to optimize inventory shelving, enhancing accessibility for all patrons.

Projects

Full-Stack Website | HTML, CSS, PHP, SQL, JavaScript, VS Code, Git, GitHub

Sep. 2023 – Dec 2023

- Designed and developed a full-stack, user-friendly website that manages API data from the Epic Games store.
- Utilized SQL to map API data to and retrieve from the database, ensuring efficient data management.
- Implemented user authentication with an authorization layer, emphasizing proper security and privacy practices.
- Maintained thorough documentation on GitHub, organizing work into milestones to track groups of features.

SQL Database | SQL, Oracle SQL Developer

Jan. 2023 – May 2023

- Designed and developed a fully-functional, locally-hosted SQL database system using Oracle SQL.
- Implemented third normal form (3NF) database normalization to ensure data integrity and optimize efficiency.
- Designed optimized schema with tables, relationships, and constraints to improve data manipulation and accuracy.
- Improved data accuracy and query efficiency through rigorous testing and performance optimization.

Unity Painting App | C#, Unity, Visual Studio

Jan. 2023 – May 2023

- Designed and developed a user-friendly Unity/C# app for digital art.
- Enhanced user experience with customizable features such as brush type, brush size, color, and lighting.
- Documented the development process including project goals, design decisions, and coding practices for reference.
- Incorporated feedback from colleagues, utilizing their suggestions to meet UX needs and improve features.

Technical Skills

Programming Languages: Java, Python, SQL, C#, HTML/CSS, JavaScript, PHP

Developer Tools: Git, GitHub, Visual Studio, Visual Studio Code, Eclipse

Software: Microsoft Office, LibreOffice, Google Workspace, Unity

Leadership / Extracurricular

Community Manager | Discord

Jun. 2019 – Present

- Created, designed, and organized a thriving community server from scratch, attracting and engaging members globally.
- Collaborated closely with the moderation team to enforce guidelines and maintain a safe and inclusive environment.
- Incorporated member feedback, continuously enhancing the server's features and optimizing the user experience.
- Implemented data-driven decision-making by analyzing community metrics, increasing user retention by 34%.