Ashwin V  
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**Career Objective**

To leverage my expertise in React.js, TypeScript, Python, and modern web development practices to create scalable and user-focused applications while continuously learning and contributing to innovative teams.

**Technical Skills**

* **Programming Languages**: JavaScript, TypeScript, Python
* **Frameworks & Libraries**: React.js, Flask, Next.js, Zustand, React Query, Jest
* **Web Technologies**: HTML, CSS, RESTful APIs, WebSockets
* **Database Management**: SQL, NoSQL, Firebase
* **Testing Tools**: Jest, React Testing Library
* **Version Control**: Git, GitHub
* **Methodologies**: Agile Development, Object-Oriented Programming

**Projects**

**AI-Powered Financial Planner**

* Developed a React-based platform for personalized financial planning using machine learning models.
* Designed RESTful APIs and implemented state management with Zustand.
* Enhanced UI with D3.js for interactive data visualizations.
* **Tech Stack**: React.js, Python, Zustand, REST APIs, D3.js

**Task Management Dashboard**

* Built a responsive task management application featuring real-time updates and efficient data fetching.
* Improved UI/UX with Framer Motion and implemented state management using Zustand.
* **Tech Stack**: React.js, Zustand, React Query, Framer Motion, CSS Modules

**Fitness Website with Pose Estimation**

* Created a fitness platform integrating BMI calculation and personalized workout plans.
* Implemented a PoseNet-based exercise tracking system.
* **Tech Stack**: React.js, Flask, PoseNet, Firebase, WebSockets

**Professional Achievements**

* Winner: Business Plan category at National Electric Tractor Design Championship (NETDC)
* Runner-Up: Coding contest during Boot-up24
* Leadership: Student coordinator for Designathon 2024
* First Prize: Ad-zap Synchotronix21

**Education**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Degree** | **Institution** | **Board/University** | **Year of Passing** | **Percentage/CGPA** |
| B.E. (Mechatronics)\* | Rajalakshmi Engineering College, Chennai | Anna University | 2025\* | 7.82 |
| XII | Velammal Matric Hr. Sec School, Chennai | TN State Board | 2021 | 91.16% |
| X | Velammal Matric Hr. Sec School, Chennai | TN State Board | 2019 | 89.04% |

**Training & Certifications**

* Data Structures & Algorithms (Udemy)
* Web Development (Udemy)
* Vehicle Diagnosis System Training at Bosch (KTS)
* Data Analytics using PowerBI (TVS)

**Additional Skills**

* Strong problem-solving and analytical abilities
* Team collaboration and leadership experience
* Effective communication and organizational skills

**Relevant Skills for Internship**

* Experience with Python and React for full-stack development.
* Familiarity with Agile practices, RESTful services, and Git version control.
* Commitment to writing clean, maintainable, and testable code.

**Hobbies and Interests**

* Exploring new web technologies and frameworks
* Open-source contributions and community engagement
* Playing chess and solving puzzles

\*Note: B.E. Mechatronics provides a strong foundation in multidisciplinary systems, which complements my software development expertise.