ADARSH SHANKAR

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Portfolio

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Experienced Full Stack/ MERN Stack Developer proficient in **JavaScript, React, Node.js,** and **Python**, focused on building scalable, high-performance applications with intuitive user experiences.

EDUCATION:

- Master of Science - Computer Science. (**GPA: 3.7/4**) (06/2024):   **DePaul University | Chicago, IL.**
- Bachelor of Engineering - Computer Science. (07/2019):   **VTU | Karnataka, India.**

WORK EXPERIENCE:

Software Engineer Intern, Oak Street Health, Chicago, USA.   **June 2023 – August 2023**

- Migrated a multi-page user experience into a single page app using **React**, improving customer engagement by 10%.
- Spearheaded the transition to **ReactJS**, improving website performance and enhancing user experience by 40%.
- Designed and implemented RESTful APIs using **Node.js** and **Express.js** ensuring secure and efficient data handling.
- Incorporated third-party APIs into applications, which improved web scalability by 30%.
  Tech Stack: React, JavaScript, Node.js, Express.js, TailwindCSS, HTML5.

System Engineer, Infosys Limited, Bangalore, India.   **December 2019 – September 2021**

- Revamped 70% of the user interface screens for the "Medtronic" web application, enhancing usability for over 100,000 users across 150 countries using **React** and Tailwind.
- Migrated the legacy User Interfaces written in JSP and Angular to React using **Micro Frontend Architecture**.
- Collaborated with backend teams to build robust **API endpoints** with **Node.js** and **Express.js**, ensuring seamless integration between the frontend and backend services.
- Adhered to agile methodologies and SDLC practices with proper unit, integration and performance testing.
- Optimized and reduced the app build bundle size by 70-80% by extensive debugging. It led to quite faster app load.
  Tech Stack: JavaScript, React, Node.js, Express.js, TailwindCSS, Jenkins, JSON, MySQL, HTML5.

Data Analyst Intern, Ventalyst Business Solutions, Shivamogga, India.   **July 2018 – October 2018**

- Developed and curated 8+ datasets for modeling using **Python** and **R**, improving data analysis efficiency by 25% through effective data cleaning, preprocessing, train/test set partitioning, and feature engineering.
- Conducted **exploratory data analysis** using **seaborn**, **ggplot**, **Tableau**, and **Power BI**, leading to a 30% increase in actionable insights for business decisions.
- Implemented ML techniques such as **regression**, **classification**, and **clustering** to predict and explain datasets, enhancing model accuracy by 20%.
  Tech Stack: Python, R, MySQL, Excel, AWS, Tableau, Power BI.

TECHNICAL SKILLS:

- **Languages**: Python, JavaScript, C++, SQL, Java, C#, C, PHP, R, PowerShell.
- **Frameworks and Libraries**: React, NodeJS. Express, REST API, HTML5, CSS3, STL, XML, JSON, ASP.NET.
- **Databases**: MySQL, SQLite3, MongoDB, Oracle, PostgreSQL.
- **Tools and Others**: Git, AWS, MS-Excel, Jenkins, Firebase, Heroku, SolarWinds, Tableau, Data Structures and Algorithms, Object Oriented Programming, Distributed Systems.

PROJECTS:

TravelMateAI (AI based Travel planner) **(Tech Stack:** React, JavaScript, Firebase, Gemini AI, Google API)   **Link**

- Built a full-stack **AI-powered trip planner** using **React, Gemini AI, and Firebase**, facilitating seamless trip planning with **Google Auth** and **trip storage in the cloud**, achieving **99% user data** retention accuracy.
- Designed **AI-generated trip planning** with dynamic trip form, **custom routing**, and **responsive UI** using TailwindCSS, enhancing user journey experience by **30% through tailored travel suggestions**.
- **Integrated Google Photos API** to display relevant trip images and added user trip history tracking, enabling **personalized trip recall** and increasing app engagement by **40%**.

IoT-Based Smart Ambulance System. (Tech Stack: Java, Python, R PI, Firebase, Android Studio)

- Developed an Android app for "**One Path Clearance**" for ambulances, integrating with **Firebase** and R Pi to streamline emergency paths, reducing response time by up to 70%.
- Configured real-time location tracking to control traffic signals dynamically, optimizing route clearance and enhancing emergency efficiency.

Namma Karnataka. (Tech Stack: JavaScript, HTML5, PHP, CSS3, Bootstrap, And MySQL)   **Link**

- Created a website that gives details of **100+** of the tourist places of Karnataka.