Adarsh G S

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EDUCATION

RNS Institute of Technology   Bengaluru, India
Bachelor of Engineering in Computer Science   *Dec 2021 – Current*
- GPA: 8.9/10
- Relevant Coursework: Data Structures, Algorithms, Operating Systems, Databases, Software Engineering, AI, Machine Learning, FullStack Development, Cloud Computing

TECHNICAL SKILLS

Languages: C, C++, Java, JavaScript, Kotlin, Python, SQL (Postgres, MySQL), TypeScript
Frameworks: Django, FastAPI, Flask, LangChain, NextJS, ReactJS, Redux Toolkit, Remix, Spring MVC, TailwindCSS
Libraries: MUI, NextUI, Pinecone, Radix, Streamlit
Developer Tools: AWS, Docker, Firebase, Git, Google Cloud Platform, IntelliJ, Notion, VS Code

EXPERIENCE

Web Developer Apprentice   Feb 2024 – Apr 2024
Sanskriti Foundation in collaboration with RNSIT   *Bengaluru, India*
- Developed a ReactJS admin portal for managing books, images, and files, using Tanstack Query for API handling and caching.
- Implemented AWS S3 for file storage, RDS for database management, and CI/CD pipelines with GitHub Actions.
- Deployed the frontend on EC2 instances, configuring Nginx as a reverse proxy; conducted unit testing with Jest.
- **Technical Skills:** ReactJS, Tanstack Query, Jest, AWS S3, RDS, GitHub Actions, EC2, Nginx.
- **Soft Skills:** Effective Collaboration, Problem-solving, Adaptability, Time Management.

Web Developer Intern   Feb 2024 – Current
Pyramid Developers   *Bengaluru, India*
- Developing software products using NextJS and Firebase, ensuring UI components match Figma designs for enhanced user experience.
- Collaborating with a team of six to deliver client solutions, utilizing React Bootstrap for responsive design.
- Focused on fixing codebase issues and making websites responsive to meet client requirements and deadlines.
- **Technical Skills:** NextJS, Firebase, React Bootstrap, Figma.
- **Soft Skills:** Collaboration, Problem-solving, Attention to Detail, Time Management.

PROJECTS

MedDocChat - AI Medical Document Assistant | *Python, LangChain, Streamlit*   May 2024 – Current
Live Link
- Developed a generative AI application and interface using Streamlit that allows users to upload medical documents and chat with the document to obtain solutions.
- Implemented a secure user interface using Streamlit.
- Utilized LangChain for orchestrating the AI workflows, Pinecone for vector database management, and FAISS for efficient similarity search.

Aora - AI Video Sharing App | *React Native, Expo, Appwrite*   Apr 2024 – Present
Live Link
- Developed an AI video sharing application using React Native with Expo for streamlined project setup and initial configuration.
- Implemented Expo's file-based routing for intuitive navigation and Native Wind for modern, responsive styling.
- Utilized Appwrite for user authentication and backend services, facilitating secure access and data management.

Car Rental Portal | *Spring Boot, ReactJS, AWS*   Jan 2024 – Mar 2024
Live Link
- Designed and developed a full-stack vehicle rental platform, leveraging Spring Boot for backend services and ReactJS for frontend operations.
- Adopted MUI for a responsive user interface and styled components to elevate user engagement.
- Implemented a robust testing framework using Jest, with an integrated CI/CD pipeline for efficient deployment and maintenance on AWS (EC2, S3, RDS).

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BRIEF SUMMARY

I am a dedicated and driven student with intermediate-level experience in mobile and web development utilizing the JavaScript stack. I have honed my skills in various development environments and passionate about staying up-to-date with the latest industry trends and technologies. I have a particular interest in the field of Full stack Developement and generative AI. I am eager to apply my skills and knowledge to real-world projects and always looking for opportunities to learn and grow as a developer.

KEY EXPERTISE

Java, Javascript, Typescript, Python, ReactJS, NextJS, Spring Boot, Firebase, Langchain, LlamaIndex, SQL, AWS, Bash, Linux

EDUCATION

RNS Institute of Technology — 2021 - 2025
B.E. - Computer Science & Engineering | CGPA: **8.78 / 10**

S.G.P.T.A PU college, Bengaluru — 2021
12th | PUC | Percentage: **97 / 100**

Prarthana Central School — 2019
10th | Percentage: **94 / 100**

INTERNSHIPS

Pyramid Developers | IT Product & Services — 23 Feb, 2024 - 10 May, 2024
Web developer Intern

Key Skills: Typescript, NextJS, TailwindCSS, Firebase, React Bootstrap

• Developing software products using NextJS and Firebase, ensuring UI components match Figma designs for enhanced user experience.
• Collaborating with a team of six to deliver client solutions, utilizing React Bootstrap for responsive design.
• Focused on fixing codebase issues and making websites responsive to meet client requirements and deadlines.
• Soft Skills: Collaboration, Problem-solving, Attention to Detail, Time Management.

Aishwarya Software Solutions | IT Product & Services — 10 Feb, 2024 - 10 Apr, 2024
Software Developer Apprenticeship

Key Skills: Javascript, ReactJS, Tailwindcss, Tanstack Query, Vitest, AWS, Github Actions, Nginx

• Worked for Sanskriti Foundation, Mysore in collaboration with RNSIT as an apprentice under C Vamshi Krishna, Operations Head @ Aishwarya Software Solutions.
• Developed a ReactJS admin portal for managing books, images, and files, using Tanstack Query for API handling and caching.
• Implemented AWS S3 for file storage, RDS for database management, and CI/CD pipelines with GitHub Actions.
• Deployed the frontend on EC2 instances, configuring Nginx as a reverse proxy; conducted unit testing with Vitest.
• Recommended the usage of HttpOnly cookies in the backend for improved security.
• Soft Skills: Effective Collaboration, Problem-solving, Adaptability, Time Management.

PROJECTS

Chat with Documentation
03 Jun, 2024 - 01 Jul, 2024

Key Skills: Python. LlamaIndex, Streamlit, Ollama

Project Link: https://github.com/100percentBAKA/chat-with-documentation-agent

• Developed an intelligent agent capable of autonomously reading documentation and generating code based on user queries, using an advanced tech stack, resulting in significant time savings for developers.
• Employed Llama Index and Llama Parse for efficient parsing and processing of documentation, enhancing accuracy and speed.
• Integrated the Ollama Docker image and utilized the Llama3 model for robust language understanding, improving the agent's interpretive capabilities.
• Leveraged the BAAI/bge-m3 embedding model from Hugging Face to enhance semantic understanding and embedding quality, increasing the agent's contextual accuracy.
• Combined these technologies to create an agent that efficiently interprets documentation and writes accurate, context-aware code.
• Soon going to design a secure and intuitive user interface with Streamlit for seamless user interactions, aiming to further improve usability and efficiency.

Aora - AI Video Sharing App
17 Apr, 2024 - 28 Apr, 2024

Key Skills: Typescript, React Native, Expo, Expo Router, Appwrite

Project Link: https://github.com/100percentBAKA/aora-native

• Developed an AI video sharing application using React Native with Expo for streamlined project setup and initial configuration, resulting in a quicker development cycle.
• Implemented Expo's file-based routing for intuitive navigation and Native Wind for modern, responsive styling, enhancing user experience.
• Utilized Appwrite for user authentication and backend services, facilitating secure access and data management, leading to improved security and reliability.

Car Rental Portal
31 Dec, 2023 - 04 Mar, 2024

Key Skills: Java, Javascript, Spring Boot, ReactJS, AWS, MUI, Github Actions, Vitest

Project Link: https://car-rental-portal-ivory.vercel.app/

• Designed and developed a full-stack vehicle rental platform, leveraging Spring Boot for backend services and ReactJS for frontend operations, resulting in a comprehensive and user-friendly application.
• Dramatically enhancing user engagement and overall user experience, which led to a noticeable increase in positive feedback.
• Integrated a CI/CD pipeline with GitHub Actions for efficient deployment and maintenance on AWS (EC2, S3, RDS), ensuring seamless updates and maintaining high system performance and reliability.
• Recently implemented robust testing framework using Vitest, ensuring high reliability and stability, reducing bugs and enhancing the quality of the application.

ASSESSMENTS / CERTIFICATIONS

Python Foundation Certification

Key Skills: Python   Exception Handling   File Handling

TechA Java Full Stack Developer Certification

Key Skills: ExpressJS   Java GUI

Artificial Intelligence Foundation Certification

Key Skills: Ethical challenges of AI   Application of AI

Fundamentals of Linux Administration

Key Skills: apt package management   Linux file system   user management   bash scripting

The Complete JavaScript Course

Key Skills: Javascript   Asynchronous JavaScript   Webpack   Nodejs   OOPS

The Modern React Bootcamp (Hooks, Context, NextJS, Router)

Key Skills: ReactJS   NextJS   context API   Tailwindcss   sass

PERSONAL INTERESTS / HOBBIES

- Programming, Teaching, Photo editing, Lifting weights

WEB LINKS

- Github - https://github.com/100percentBAKA

PERSONAL DETAILS

Gender: Male

Marital Status: Single

Current Address: #394, 11st street, Bhuvaneshwari Nagar, Subramanyapura, Uttarhalli, Bangalore 560061, Bengaluru, Karnataka, India - 560061

Emails: 1rn21cs011.adarshgs@rnsit.ac.in , adarshgs.2003@gmail.com

Date of Birth: 01 Jul, 2003

Known Languages: English, Kannada, Telugu, Hindi

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