Priya Prathapaneni

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EDUCATION

Master of Science, Computer Engineering   September 2022-December 2023
University of California, Riverside   GPA- 3.57/4.0
Course work: DBMS, Information Retrieval, AI, Advanced Operating Systems, Data Structures and Algorithms

Bachelors of Technology, Computer Science and Engineering   August 2018-May 2022
Koneru Lakshmaiah Education Foundation, Vijayawada, India   GPA - 9.09/10.0
Course work: C, AI, Data Structures and Algorithms, DBMS, ML, Distributed Systems, Soft Computing, Deep Learning

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, MySQL, Bash Scripting.
Mark-up/XML-Technologies: HTML, CSS, JavaScript, TypeScript, jQuery, AngularJS, React JS .
Tools/Frameworks: Redux, Node.js, Next.js, Bootstrap, Tailwind CSS, Git, Restful API, Express, Spring Boot, Hibernate, JUnit 5, MongoDB, Three.js, Webpack, Maven, Jenkins, Containerization: Docker, Kubernetes, Alteryx, Power BI.
IDEs: Eclipse, IntelliJ, Spring Tool Suite (STS), VS code
Operating Systems: Windows, Linux.

TECHNICAL EXPERIENCE

Technical Product Manager, Visionsoft   February 2024-Present | Glendale, Arizona, US
- Spearheaded the development of "**TechXcel**," a full-stack solution, driving a 30% increase in user engagement and a 20% boost in customer satisfaction. Utilized a combination of **SQL** for database management, **Alteryx** for data integration and manipulation, and **Java** for backend development to architect and implement the solution effectively.
- Mentored and guided a team of interns in **React components** development, contributing to success of the project.
- Defined product requirements, leveraging **AWS** services like AWS Lambda, and **EC2**, leading to a 25% improvement in feature prioritization accuracy and a 15% reduction in time-to-market.

Teaching Assistant, UC Riverside   January 2023 - May 2023 | Riverside, CA, US
- Collaborated with the professor in teaching the '**Data Structures and Algorithms**' course, facilitating a lively classroom. Guided students in mastering complex problem-solving techniques and data structures.

Full Stack Developer, BEPEC Solutions   January 2022-August 2022 | Hyderabad, India
- Developed an interactive e-commerce website utilizing **React** for the frontend, enhancing user experience with dynamic web pages, styled using **HTML**, **CSS**, **JavaScript** and **TypeScript**, ensuring a responsive and visually appealing interface.
- Implemented backend functionalities in **Java**, leveraging **J2EE** frameworks to build robust server-side components, and managed data transactions using **JDBC,** enabling efficient database interactions with **SQL**.
- Assisted in developing a serverless application using **AWS Lambda,** API Gateway, and **DynamoDB**, which reduced 81% of annual operational costs.

Full Stack Developer INTERN, SWHIZZ Technologies   August 2021-November 2021 | Vijayawada, India
Project:
- Developed "TaskMaster Pro," a comprehensive project management web application, utilizing **Spring Boot** (MVC, JPA, Hibernate) for the backend implementation, including **RESTful** web service APIs, and **MySQL** database for data storage.
- Implemented the frontend of the application using **React.js**, incorporating **Material UI** components and **React Hooks** (useState, useEffect) for efficient state management, resulting in a user-friendly and responsive user interface. Additionally, utilized fetch/axios for seamless consumption of **REST APIs.**

PROJECTS

EchoSphere   April 2023 - August 2023
- Developed a feature-rich Discord clone utilizing **React**, **TypeScript**, Socket.io, **Next.js** for the frontend, and integrating **Java**-based backend services to enhance functionality. Employed **WebSocket**, and Hibernate along with Prisma, **MySQL**, and Clerk for authentication.
- Implemented key features such as real-time messaging, attachments using UploadThing, message editing and deletion, text/audio/video call channels, member management, invite system, infinite message loading, server creation, and customization, with a responsive UI designed with **TailwindCSS** and ShadcnUI. Introduced additional security measures, including the implementation of a security code system for enhanced user authentication and data protection.

Building a Search Engine   January 2023-March 2023
- Utilized **Lucene** and **Faiss** indexing techniques to develop a TV show tweet search engine.
- Integrated **Java** with **Spring Boot**, along with HTML and CSS, to create an interactive interface powered by **Lucene** and Faiss (BERT), resulting in a 30% faster search response.
- Engineered a user-friendly search engine webpage, delivering seamless navigation and enhancing the overall user experience.

Fullstack Custom Social Media Application with Auth, Likes, and Dark Mode (Connectify) November 2022- January 2023
- Pioneered the development of a responsive social media platform with the **MongoDB**, Express.js, **React.js**, and **Node.js**, introducing distinctive user authentication, real-time likes, and a customizable Dark Mode option.
- Integrated **CI/CD** practices to streamline development, and innovatively employed Entity-Relationship Diagrams for data modeling, boosting the application's structure and scalability.