APEKSHA JADHAV

San Diego, CA, USA | Phone | Mail | LinkedIn | GitHub | Portfolio

Education

MS in Computer Science   **August 2024 – May 2026**
San Diego State University, GPA: 3.8/4.0   *California, USA*
Coursework: Algorithm Analysis Design, Full-Stack Development, Data Science, Machine Learning, Database (SQL)

BTech in Computer Science   **June 2020 – October 2023**
MIT ADT University, GPA: 3.83/4.0   *Maharashtra, India*
Coursework: Data Structures, System Design, Full-Stack Development, Data Science, Machine Learning

Experience

Teaching Assistant   **August 2024 – Present**
San Diego State University | C++, Clion, Python, PyCharm, Algorithm-design, Complexity-analysis   *California, USA*
- Mentored **64+** students in understanding core **data structures** & **algorithm design** concepts in **C++** and **Python**.
- Led interactive **code-optimization** sessions, fostering **analytical**, **problem-solving** and **debugging** skills by **50%**
- Utilized **PyCharm, Git, GitHub** & **Python scripting** to **automate tasks** & **test case evaluations** by **60%**.

Software Developer   **February 2023 – June 2024**
Pi Techniques Pvt.Ltd. |HTML, CSS, Tailwind, JavaScript, TypeScript, React, Node, Docker   *Maharashtra, India*
- Developed responsive web applications using **HTML, CSS, Tailwind, Sass, JavaScript & React,** optimizing performance & user experience across multiple platforms, increasing user retention by **15%**.
- Integrated **REST APIs** in **React components** to connect with backend services, ensuring seamless data exchange.
- Utilized **TypeScript** for type safety in complex **JavaScript** apps, improving code quality and maintainability by **60%**.
- Deployed applications using **Docker**, ensuring consistent development & testing, & reducing deployment times by **30%**.
- Optimized frontend performance through **lazy loading, browser caching,** & minimizing **HTTP** requests, resulting in **20%** decrease in page load time & **50%** increase in session duration (measured via Google Analytics).

Foundational Software Engineer   **January 2022 – May 2023**
Park Smart |HTML, Tailwind, JavaScript, React, Next, Python, Django, Flutter, Docker, CI/CD   *Maharashtra, India*
- Deployed a **funded** smart parking prototype using **Flutter**, **React**, **Django**, **IoT**, and **Deep Learning technologies**
- Integrated real-time parking detection via **Computer Vision**, **QR code scanning**, & **Mapbox API**, enabling users to secure parking spots within **5** seconds, achieving **30%** improvement in parking reservations.
- Worked with cloud platforms to deploy backend services on **AWS**, implemented **REST API** for real-time data exchange & Implemented **Docker-based containerization**, enhancing development & deployment by **50%**

Software Developer Intern   **January 2022 – June 2022**
Eastern Royal Company | HTML, Bootstrap, JQuery, JavaScript, React, Node.js   *Maharashtra, India*
- Spearheaded the development of the MIT Virtual Tour website using **React**, resulting in **100%** responsive user interface
- Designed and Developed UI for an interactive **game module**, leading to **20%** increase in average session duration
- Adhered to **Agile** methodologies, & **SDLC** practices, collaborated with cross-functional teams to implement REST API, & best coding standards, resulting in **30%** increased accessibility & rise in student recruitment.

Projects

ContentForge - AI-powered SaaS platform   **August 2024 – October 2024**
Full-Stack Developer | FastAPI, Python, Next.js, Generative AI, Docker, Microservices   *Maharashtra, India*
- Built a full-stack content generation app using **FastAPI, NextJS, SQLite, Microservices** & **Generative AI's API**
- Integrated **JWT** authentication & **Stripe** payment method, leading to 20% increase in user retention & transaction flow
- Refined data-handling with **SQLite** & scalable deployment via **Docker Containers**, reducing deployment time by 50%

Healing Hearts: A Depression Curing App   **January 2023 – February 2023**
React Native Developer |React Native, RESTAPI, Firebase, UI/UX   *Maharashtra, India*
- Conceptualized & built a depression-curing app using **React Native**, featuring in-app journaling, meditation, & more, increasing user engagement by **40%**
- Implemented **REST-APIs** & **Firebase** for authentication & data storage, boosting functionality & UX by **50%**.

Technical Skills

Frontend: HTML, CSS, Bootstrap, Tailwind, Typescript, JavaScript, Ajax, React, Redux, React Native, Next.js, Three.js
Backend & Database: Node, Express, RestAPI, FastAPI, Django MySQL, MongoDB, PostgreSQL, SQLite
Programming Languages: C, C++, Python, JavaScript, Java
App Development: Flutter, Dart, React Native
Other tools: Git, GitHub, GitLab, AWS, DevOps, Docker, Jenkins, Kubernetes, Kafka, Linux, CI/CD