Aradhya Asthana

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Education

Carnegie Mellon University, Pittsburgh, PA
August 2023 - August 2024
Master of Information Systems Management
Courses – Object Oriented Programming in Java**,** Web App Development, Distributed Systems, Product Management Essentials
Graduate Teaching Assistant for Software Project Management
January 2024 - March 2024

Kalinga Institute of Industrial Technology, Bhubaneswar, India
July 2015 - July 2019
Bachelor of Information Technology | GPA: 8.23/10.0

Skills

- **Frontend development:** JavaScript(ES6), jQuery, HTML5, CSS/SASS/SCSS, Redux, React, Angular, Vue.js
- **Backend development and Frameworks:** Java, Nodejs, Python, Django
- **Database Management:** SQL(MySQL, SQLite, Postgres), NoSQL (Mongo DB), SQL Proficiency
- **Technical Tools**: AWS, VSCode, IntelliJ, Jira, Figma, Git, Postman, Jenkins, NPM, Babel, Bitbucket, Confluence
- **CI/CD Tools**- Jenkins, GitHub Actions, Docker

Work Experience

Deloitte Consulting

Technology Consultant
August 2022 - April 2023
- Led the enhancement of operational efficiencies at McDonald's using TypeScript-based Angular. This system improved the process of updating and filtering menu items, reducing the time-to-market for new menu offerings by 30%.
- Established CI/CD pipeline process within the development team, utilizing Jenkins and Docker to automate deployment workflows; this initiative empowered the team to deliver updates 50% faster while maintaining high-quality standards.
- Collaborated with UX/UI designers to refine user interfaces and directed project execution using Agile and Scrum methodologies, achieving timely delivery and exceeding performance targets.
- Executed unit testing using Jasmine; performed code optimization and active debugging to maintain code coverage above 80%.
- Conducted thorough code reviews to maintain high quality standards, integrated continuous code quality checks with SonarQube to enforce best practices during all development phases.
- Led a technical initiative to design a JavaScript curriculum, resulting in a 50% improvement in team project delivery timelines; engaged 25+ team members in interactive learning and hands-on coding challenges resulting in overall team's growth.
- Ensured cross-browser compatibility and styling across browsers using HTML/CSS validation and responsive design techniques.

Business Technology Analyst
August 2019 – August 2022
- For the Amazon-Deloitte smart factory project initial release, built UI to upgrade operational performance, increase visibility, and advance production quality, while also reducing downtime.
- Created and implemented advanced data handling solutions that improved resource allocation efficiency for a health benefits company, enhancing operational support for strategic planning initiatives across 50 states in the U.S.
- Produced engaging data visualization dashboards using reusable React components and libraries such as ChartJS and D3.js; dashboards enabled real-time insights, improving decision-making speed by 40% for cross-functional teams.
- Merged RESTful APIs with the front end application ensuring clean, scalable architecture.
- Performed testing and continuous monitoring on Postman for fluid functionality and reliable system performance.
- Addressed security issues throughout the development lifecycle by utilizing Jest for automated testing, preventing potential vulnerabilities.
- Achieved AWS Cloud Practitioner Certification, enhancing skills in cloud architecture, security, and reliability.

Intern
January 2019 - August 2019
- Pioneered the design and implementation of innovative IoT projects using Thingworx platform, leading to a 25% increase in production efficiency by streamlining processes through centralized tracking.

Academic Projects

- **National Transfer Network -** Directed strategic project management efforts, leading to a reduction in credit transfer processing time by 45% and positively impacting the transition experience for thousands of students. Collaborated with a team of 4 developers and shaped the product's vision to ensure an intuitive user experience.
- **Fitconnect -** Developed a full stack responsive fitness community platform using React and Python/Django for 1,000+ CMU students. Integrated social media, interactive challenges, and personal fitness tracking to boost engagement and feedback. Created 30+ back-end endpoints with Django REST Framework and API interactions via AJAX. Integrated OAuth for secure authentication and deployed the application on Amazon EC2.
- **Client Server Computing -** Implemented a distributed systems project utilizing networking protocols like UDP and RPC for communications. Executed a neural network across a client-server model.
- **Exchange Rate App -** Developed a currency conversion Android app with Java, integrating real-time exchange rates via a third-party API and MongoDB Atlas. Established a RESTful API and deployed an analytics dashboard using Docker and GitHub Codespaces.