**` JAHNAVI NALLA**

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**SKILLS**

Aspiring Software Engineer with expertise in designing scalable, secure, and high-performance applications. Proficient in Python, Java, SQL, and cloud technologies. Experienced in building AI-powered solutions and optimizing system efficiency using CI/CD, Agile methodologies, and automation. Skilled in test case design, SQL queries, and automation concepts. Passionate about delivering high-quality software through structured testing and consulting methodologies.

**EXPERIENCE**

**Chandler Fashions *08/2024- 08/2025***

***Software development Engineer*** *Tempe, Arizona*

* Developed and maintained the Chandler Fashions website, enhancing functionality, stability, and scalability, leading to a 40% improvement in site performance and uptime.
* Implemented front-end and back-end optimizations to improve site speed and mobile responsiveness, resulting boost in technical SEO rankings.
* Engineered custom interactive product pages and features, increasing user engagement metrics by 25% through enhanced UX/UI design.
* Applied Conversion Rate Optimization (CRO) techniques via A/B testing and data-driven improvements in customer conversion rates.
* Integrated analytics tracking and automated reporting tools to monitor website and campaign performance, enabling a 30% faster identification of issues and optimization opportunities.

**Arizona State University *01/2024 – 08/2024***

***Peer review Assistant*** *Tempe, Arizona*

* Leveraged expertise in Object-Oriented Programming (OOP) and Data Structures to enhance student comprehension and problem-solving skills.
* Conducted dedicated office hours to address individual student concerns, offering tailored guidance and support beyond the classroom.
* Designed and led structured weekly review sessions aligned with the professor's syllabus, contributing to a measurable improvement of at least 25% in student performance, significantly reinforcing foundational knowledge and boosting academic confidence.

**SKILLS**

* **Programming Languages:** Java, Python, C++, C#, Go, JavaScript, SQL
* **Web Development:** HTML, CSS, JavaScript, REST API, React
* **Frameworks & Methodologies:** Spring Boot, Selenium, Scrapy, .NET, Agile Development, Microservices, CI/CD
* **Databases:** Relational Databases, MongoDB, Data Warehousing
* **Cloud & Infrastructure:** AWS, Google Cloud, Docker, Kubernetes
* **Big Data & Data Science:** Big Data, Data Science, Machine Learning
* **Tools & Version Control:** Git, GitHub, Jenkins, Jira, AWS Lambda, SQS, SNS, S3, CDK, Data Stream
* **Application Security:** Secure Software Development, Cloud Security Practices

**ACADEMIC DEVELOPMENT PROJECTS**

**AbleHire**

* A Hiring Platform for Disabled People
* Developed a job search platform with AI-powered job recommendations and chatbot assistance.
* Implemented voice search capabilities and optimized backend performance using MongoDB and AWS for scalability.

**Local AI (** [**Link**](https://github.com/jahnaviwork04-dev/Local-AI) **)**

* AI-driven response system to provide real-time assistance in remote areas with limited network connectivity
* Implemented efficient data compression and offline models to ensure low-latency responses without internet dependency.
* Optimized AI algorithms for lightweight deployment, enhancing accessibility and usability in resource-constrained environments.

**Government scheme Bot (** [**Link**](https://github.com/jahnaviwork04-dev/Governmentscheme-Bot) **)**

* Designed an AI-powered chatbot to simplify scheme discovery and eligibility verification.
* Utilized rule-based filtering and user data analysis for better scheme recommendations.
* Implemented NLP techniques to enable seamless user interaction and query resolutions.

**EDUCATION**

**Arizona State University, Tempe, AZ** GPA: **3.75/4.0**

Master of Science, Information Technology  *Dec 2025*

**ACHIEVEMENTS & ADDITIONAL INFORMATION**

* Ranked 5106 in Coding hackathon(2023), outperforming 200,000+ students.
* NPTEL Examination: Secured Silver Badge with 85% in NPTEL – Data Analytics with Python
* Campus Partner for Perplexity
* **Teaching assistant, Arizona State University *08/ 2024 – 12/ 2024***

Facilitated Data Structures and Advance Information Security courses as a Teaching Assistant; developed and delivered lesson plans,

graded assignments and provided 1:1 support to students; received a 4.8/5 rating in end-of