

JAHNAVI NALLA

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SUMMARY

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

Software development Engineer

08/2024- 08/2025

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.

Foster Your Future (Volunteer)

Application Developer

01/2024 – 08/2024

Tempe, Arizona

- Maintained and updated website content, forms, and design elements, improving site accuracy and reducing content update errors by 25%.
- Troubleshoot layout and plugin issues promptly, increasing site uptime and mobile responsiveness by 30%, enhancing user satisfaction.
- Enhanced user experience by creating new pages, sections, and forms, resulting in a 40% increase in user engagement and resource utilization.
- Collaborated with content developers and teams to support online campaigns and integrate fundraising platforms, contributing to a 15% growth in online donations.
- Managed documentation including Website Management, Site Map, and Update Matrix, improving project tracking efficiency by 20%.
- Utilized WordPress and design tools like Canva and Photoshop while quickly learning new software to improve website effectiveness.

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](#))

- 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](#))

- 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

Master of Science, Information Technology

GPA: 3.75/4.0

Dec 2025

ACHIEVEMENTS & ADDITIONAL INFORMATION

- Ranked 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
 - Leveraged expertise in Object-Oriented Programming (OOP) and Data Structures to enhance student comprehension and problem-solving skills.
 - Designed and led structured weekly review sessions aligned with the professor's syllabus. developed and delivered lesson plans, graded assignments and provided 1:1 support to students; received a 4.8/5 rating in end-of semester.