

EDUCATION

Central Michigan University, Mount Pleasant, Michigan, USA	Aug 2024 – Dec 2025
Master of Science in Information Systems	
Keshav Memorial Institute of Technology, Hyderabad, India	Aug 2019 – May 2023
Bachelor of Technology in Information Technology	

TECHNICAL SKILLS

**Programming Languages:** Python, Go, TypeScript, C#, Java  
**Full Stack Development:** Node.js, Express.js, Angular, React.js, Flask, FastAPI, Django  
**Databases and Big Data:** MySQL, PostgreSQL, MongoDB, Firebase, Apache Kafka, Redis  
**Cloud and DevOps:** AWS (EC2, S3, Lambda), Azure, Docker, Kubernetes, Terraform, Jenkins  
**Software Development Tools:** Git, GitHub, Visual Studio, SSMS, Postman, JWT, Unix, Linux

EXPERIENCE

Software Development Engineer 1   Ivanti, Bengaluru, India	Jul 2023 – Jul 2024
<ul style="list-style-type: none"><li>Developed and optimized <b>ITSM service management libraries</b> using <b>C#</b>, <b>.NET</b>, and <b>Azure Functions</b>, refactoring <b>microservices architecture</b> to improve <b>API scalability</b> by <b>40%</b> and reduce system crashes by <b>25%</b>.</li><li>Diagnosed and resolved <b>critical system bugs</b> using <b>Visual Studio debugging tools</b> and <b>Postman API testing</b>, enhancing system stability and reducing <b>incident reports</b> by <b>30%</b>.</li><li>Engineered and deployed the <b>Trusted Agent Feature</b>, implementing <b>SignalR</b> for real-time data synchronization and <b>JWT authentication</b> for secure access control, reducing unauthorized access attempts by <b>35%</b>.</li><li>Automated <b>infrastructure provisioning</b> and <b>CI/CD workflows</b> using <b>Terraform</b> and <b>Azure DevOps</b>, enabling rapid deployment of <b>system testing environments</b> and cutting <b>deployment setup time</b> by <b>50%</b>.</li><li>Conducted <b>comprehensive design and code reviews</b>, optimizing <b>database queries</b> in <b>PostgreSQL</b> and <b>Redis</b>, improving query response times by <b>45%</b> through advanced indexing and caching strategies.</li></ul>	
Software Development Engineer Intern   Ivanti, Bengaluru, India	Jan 2023 – July 2023
<ul style="list-style-type: none"><li>Developed an <b>internal cost-saving tool</b> using <b>C#</b>, <b>.NET</b>, and <b>Azure Functions</b>, optimizing cloud resource allocation through <b>predictive workload analysis</b>, reducing <b>infrastructure costs</b> by <b>25%</b>.</li><li>Implemented and debugged <b>integration and system tests</b> across <b>Server Management Libraries</b>, utilizing <b>JUnit</b> and <b>Postman API testing</b>, achieving <b>99.5% test reliability</b>.</li><li>Enhanced <b>API performance</b> and <b>data flow</b> in <b>web-based applications</b>, refactoring <b>.NET Core microservices</b> with <b>asynchronous processing</b> and <b>optimized caching</b>, reducing <b>API latency</b> by <b>40%</b>.</li><li>Strengthened <b>application security</b> by implementing <b>JWT authentication</b> and <b>role-based access control (RBAC)</b>, reducing <b>security vulnerabilities</b> by <b>20%</b>.</li><li>Collaborated with <b>cross-functional teams</b> in an <b>Agile environment</b>, optimizing database transactions in <b>PostgreSQL</b> and <b>Redis</b>, reducing query execution times and enhancing system performance.</li></ul>	

ACADEMIC PROJECTS

Azure Utility Tool   DotNet, C#, Azure	Mar 2023 - Jun 2023
<ul style="list-style-type: none"><li>Designed and deployed a scalable cloud monitoring tool using <b>Azure APIs</b> and <b>Terraform</b>, enabling automated cost tracking, improving resource allocation, and reducing cloud expenses by 20%.</li><li>Automated cloud infrastructure provisioning with <b>Terraform scripting</b>, optimizing resource utilization, increasing deployment efficiency by 30%, and minimizing manual interventions in infrastructure management.</li></ul>	
Story Books   React.js, Node.js, MongoDB	Jan 2023 - Mar 2023
<ul style="list-style-type: none"><li>Engineered a full-stack <b>MERN web application</b> with active <b>CRUD operations</b>, integrating <b>OAuth2-based</b> secure authentication, enhancing data integrity, and strengthening user access controls.</li><li>Implemented Refined queries in <b>MongoDB</b>, reducing query latency, improving response time by 25%, and enabling seamless scalability for handling high user traffic efficiently.</li></ul>	
Parkinson’s Disease Detection   Python, Streamlit, Machine Learning	Feb 2022 - Apr 2022
<ul style="list-style-type: none"><li>Programmed a machine learning web app using <b>Python</b> and <b>Streamlit</b>, achieving 92% model accuracy by analyzing medical data, refining model hyperparameters, and improving prediction reliability.</li><li>Preprocessed and analyzed 5,000+ patient records, extracting crucial features, fine-tuning classification models, and improving predictive efficiency by 15% with advanced data preprocessing techniques.</li></ul>	