

Gumpella Dhanuj

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Professional Summary

Results-oriented software engineer with a strong background in AI, cloud services, and full-stack development. Currently excelling in managing high-priority projects and optimizing web services for large-scale public applications. Seeking to leverage expertise in AI, automation, and cloud architecture to transition into the Fintech industry and drive innovative solutions in financial technology.

Education

University of North Texas | Denton, TX

Master of Science in Computer Science | Aug 2021 - Dec 2022

- Specialized in Artificial Intelligence, Machine Learning, Data Structures, and PL/SQL.
- Led a capstone project focused on implementing a predictive analytics model using Python and TensorFlow.
- Hands-on experience with modern web technologies and collaborative GitHub workflows.

K L University | Guntur, India

Bachelor of Technology in Computer Science | Apr 2016 - Jun 2020

- Developed foundational skills in Java, Python, and full-stack development.
- Designed and deployed multiple academic projects focusing on data structures and system architecture.

Professional Experience

Software Engineer

NYC Human Resources Administration | New York, NY | Jan 2023 - Present

- Consultant on the Windows Data Services team, managing and optimizing IIS web servers and Azure cloud services.
- Automated server management workflows using custom Python scripts, reducing manual tasks by 40%.
- Played a key role in building and managing the 'Reasonable Accommodation Project' on the .NET

framework.

- Implemented CI/CD pipelines using Octopus Deploy and optimized cloud infrastructure.

Web Software Developer

Go Offer Hyperlocal Limited | India | Jul 2020 - Jul 2021

- Developed scalable web applications using React.js and Node.js, integrating third-party APIs.
- Collaborated with stakeholders to enhance platform capabilities and user experience.
- Designed robust databases using MySQL and MongoDB for high-traffic scenarios.

Technical Skills

- Languages & Frameworks: Java, Python, JavaScript, TypeScript, C#, .NET, SQL, PL/SQL, Node.js, React.js, AngularJS, Spring Boot.
- Cloud & Infrastructure: AWS (EC2, Lambda, S3, RDS), Azure (Active Directory, CI/CD), Docker, Kubernetes.
- Data & AI Tools: TensorFlow, Scikit-learn, Pandas, Numpy, MongoDB, Redis, MySQL, PostgreSQL.
- Web & Backend Technologies: RESTful & SOAP APIs, GraphQL, HTML5, CSS3.
- DevOps & Automation: Git, Jenkins, Octopus Deploy, Terraform, Ansible, ServiceNow, AppDynamics.
- Operating Systems: Linux (Red Hat, Ubuntu), Windows Server (IIS).

Projects & Achievements

- Predictive Analytics Model: Achieved 87% accuracy in predicting customer churn for a retail company using Python and TensorFlow.
- Reasonable Accommodation Project: Contributed to a key NYC web application focusing on accessibility.
- Server Automation and Cloud Migration: Reduced deployment time by 30% through automation and AWS-based migrations.