

# CHAITANYA GINNELA

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## EDUCATION

**Purdue University Northwest**  
Master of Science - Computer Science - **CGPA** : 3.7/4  
**Courses** : Algorithms, Operation systems, Programming languages and interpreters, Machine Learning, Software Design, Distributed Systems, Applied Software Development Practices.

**Hammond, IN**  
Jan 2024 - Dec 2025

**Mahatma Gandhi Institute of Technology**  
Bachelor of Technology - Electronics and Communication Engineering  
**Courses** : C, Java, Python, DBMS, Computer Architecture, Deep Learning, Machine Learning, Systems Engineering, Big Data.

**Hyderabad, India**  
Jul 2017 - Jul 2021

## EXPERIENCE

**Accenture Private Limited Solutions**  
Application Development Analyst

**Hyderabad, India**  
Sep 2021 - Aug 2023

- Designed, analyzed, and implemented D365 objects (tables, forms, classes, data entities, security privileges, and menu items), automating business processes and reducing manual work by 40%.
- Debugged and optimized X++ code, increasing operational efficiency by 30% and automating routine operations with Root Cause Analysis methods
- Created custom forms with .NET, leveraging API Development for automated data retrieval, reducing access times by 20%, and improving performance features.
- Reduced system bugs by 95% and enhanced customer satisfaction through Agile development practices and iterative improvements
- Utilized CI/CD pipelines in Azure DevOps to efficiently deploy D365 solutions, reducing manual deployment efforts and ensuring seamless version control. Managed repository organization in Azure to optimize code deployment processes and minimize release errors.
- Collaborated in meetings with clients to gather requirements, provide technical guidance, and contribute strategic insights for project improvements.
- Conducted Unit Testing, Regression Testing, and Software Testing to ensure system reliability and performance.
- Led investigations and root cause analysis for critical issues using D365 and DAX 2012, developing automated troubleshooting scripts that reduced manual intervention by 25%.

**KPMG**  
Data Analyst Intern

**Hyderabad, India**  
Jun 2020 - Jul 2020

- Applied data mining and statistical methods in Python, along with data cleaning techniques, to improve insights extraction from complex datasets by 20%.
- Leveraged Jupyter Notebooks and Matplotlib for performance analysis in data visualization, enhancing analysis efficiency by 15%.

## PROJECTS

**VetGPT: Custom Veterinary Language Model** / Python, Multi-GPU, Web Scrapping, Selenium, NLP  
Apr 2024

- Developed a 100M+ parameter veterinary GPT model, applying NLP and AI with optimization capabilities for clinical processing.
- Processed 50,000+ articles via Selenium, achieving 80%+ accuracy in real-time responses for veterinary information systems.

**Weekly Management System** / JavaScript, HTML5/CSS , Django, PostgreSQL, Data Structures, Excel  
Jan 2024

- Developed a Weekly Management System as a master’s project, improving task and calendar management efficiency by 30%, enhancing UI responsiveness by 25%, and reducing page load times by 15% using JavaScript.
- Applied unit testing, and testing methodologies to ensure system reliability and performance.

**Automated Fare Management System - Metrolinx** / D365, AX2012, ASP.NET, SQL, X++, JSON, C#,  
Jan 2022 - Aug 2023

- Collaborated on the creation of an E-ticketing solution for Metrolinx, streamlining fare collection using smart card technology. Enhanced regional travel by developing a seamless cross-platform fare system

**Threat Object Detection using Deep Learning** / TensorFlow, Keras, Google Cloud Platform (GCP), NLP  
August 2021

- Engineered an AI-based deep learning model with NLP for security screening, boosting precision in threat detection and fraud prevention with TensorFlow and Keras.

## TECHNICAL SKILLS

**Languages** : C, C#, Java, Python, HTML/CSS, JavaScript, SQL, XML, JSON  
**Frameworks** : ASP.NET Core, ASP.NET MVC, React, Angular, Django, RESTful services, REST API’s  
**Cloud Platforms** : Azure, Google Cloud Platform (GCP)  
**Databases** : MongoDB, PostgreSQL, MySQL, SQL Server Management Studio, No SQL  
**Tools**: Azure DevOps, AWS, PyTorch, Scikit-Learn, Jira, Postman API, Tensor flow, Keras, word, Excel, GitHub.  
**Agile Methodologies** : Scrum, Agile practices, including tools like Jira.  
**AI & Machine Learning** : TensorFlow, Pytorch, Keras, CNNs, NLP

## ACHIEVEMENTS & CERTIFICATIONS

- Achieved certification from Amazon ML Summer School with a focus on model optimization and predictive analytics; enhanced model accuracy by 20% in 5+ practical projects.
- Data Engineer with Python and Data Science certifications from DataCamp, specializing in data pipelines, data transformation, data analysis, machine learning, and data visualization.
- Monthly Star Award** – Recognized for consistently exceeding performance expectations.