

Velpula Nagaraju
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EDUCATION

Degree	Specialization	Institute	Year
B.Tech	Computer Science & Engineering (Autonomous)	Vikas College of Eng and Tech	2021

WORK EXPERIENCE

- **Tinlas Technologies (Client-Centific)** *March 2025-April 2025*

Python Developer (Contract)

- Worked on **Smart Hospitality systems** with a focus on automation and user experience.
- Performed **Camera Validation Testing** to ensure quality and system compatibility.

- **Arccaa Analytics & IT Solutions (Client - Centific)** *May 2024-Aug 2024*

Python Developer (Contract)

- Crafted and optimized **prompts and responses** for the **supervised fine-tuning of LLMs**, enabling more accurate interpretations in Python interpreter tool use.
- Conducted comprehensive **research** on the latest advancements in **NLP and large language models**,
- utilizing findings to guide and shape the project's development strategy.
- Collaborated with cross-functional teams to ensure the integration of cutting-edge language processing techniques into Apple's ecosystem. Enhanced digital assistant features by implementing solutions that improved user interaction fluidity and responsiveness.

- **eTutorConnect** *April 2023-Feb 2024*

Jr Software Developer (Fulltime)

- Developed a predictive model to identify high-risk customers, resulting in an 8% reduction of customer attrition rate.
- Designed and implemented a data warehouse that integrated disparate sources from the company's ERP system into one centralized repository for faster reporting capabilities, this allowed Unum ME to save over \$200K annually on IT costs.
- Streamlined data access across multiple departments of Main health leading to improved performance efficiency: By designing and implementing automated scripts, processes and procedures related to database management systems (DBMS), I was able improve collaboration between teams while also reducing manual
- workloads associated with traditional ETL solutions. This resulted in 50% faster report generation times compared previous efforts.

PERSONAL PROJECTS

- **Data Analysis of World Inequality and the Pandemic**
 - Documented a comprehensive report on income, economic, and carbon inequalities interpreting raw datasets visually followed by drawing qualitative insights from the generated plots
 - Built a Computational Neural Network (CNN) model for Covid-19 detection through chest X-rays attaining 90% accuracy and analyzed correlations between registered deaths and health care centres
- **CC Cam Attendance System**
 - Designed and implemented a facial recognition-based attendance system using CC cameras, integrating with existing infrastructure and ensuring accuracy and reliability

POSITIONS OF RESPONSIBILITY

- **IIET Computer scholarship Program**
 - Won "B" Certificate in IIET Higher computer education and scholarship program world's biggest computer education mission.

EXTRA-CURRICULAR ACHIEVEMENTS/ACTIVITIES

- Secured a **position in the Inter IIT Cricket Squad 2019** out of **50+ competing players** from the institute
- **Captained a team in the Cricket Combat League 2022** and bagged **runners-up position out of eight teams**

TECHNICAL SKILLS

- **Languages:** Python, R Programming,
- **Tools:** PyCharm, Jupiter Notebook, LaTeX, VS Code, Excel, GitHub,
- **Visualization Tools:** PowerBi, Tableau,
- **Databases:** MySQL, SQL, MongoDB.