**Work Experience** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

| **Research Intern** |  | **TSS** | *Mumbai, India* | **11/2023 - Present** |
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• Led the design and development of multiple enterprise-level microservice applications of Commerce Experience Group, driving $35.3   
 billion of revenue every year using the latest technologies of **Azure, C#, .NET, Cosmos DB, Azure Functions**, **Key Vault, and** **MS Graph**.  
• Designed and implemented scalable APIs and background workers for managing first- and third-party proprietary licenses using **.net   
 Core, Azure Functions**, and other **Azure cloud technologies** that serve millions of license requests daily.  
• Led the development of several products E2E, from identifying system requirements and partner dependencies to workload balancing,   
 software implementation, engineering, testing, and configuring metrics, alarms, monitors, and dashboards.  
• Enriched system metrics by integrating the platforms with telemetry; facilitated in-depth logging by correlating APIs with vector contexts.  
• Continuous Integration/Deployment Pipeline Integration, pull requests, code reviews, load/stress testing, unit/integration/e2e testing

| **Intern** |  | **Analytics Valley** | *Banglore, India* | **04/2017 - 04/2018** |
| --- | --- | --- | --- | --- |

• Internship Focused on developing and implementing APIs, emphasis on building robust and efficient systems. Involved in machine

-learning tasks and Database.

• Developed a robust and efficient database API as part of an internship program using **Django** and **rest framework**.

**Projects** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Integrated AI Application with LangChain and LLM**

• Dynamic and innovative AI developer with expertise in leveraging cutting-edge technologies to build powerful applications.

Experienced in developing AI-powered solutions that seamlessly integrate with external data sources, databases, and APIs. Skilled in

utilizing LangChain and LLM to enhance application capabilities and deliver efficient solutions.

• The AI-powered application has had a profound impact on data-driven decision-making processes across multiple industries. By

Streamlining access to valuable data insights and automating complex analysis tasks, the application has empowered user to make

Informed decisions with confidence.

**Deployed FoodVision101 model on HuggingFace**

• Developed a FoodVision101 classification model using PyTorch that accurately recognize 101 categorizes food items in real-time images.

• Click [HuggingFace](https://huggingface.co/spaces/Tushar-Thoriya/FoodVision_Big) to see model deployment on HuggingFace.

**Brain tumor Detection using Deep Learning**

• Developed a state-of-the-art deep learning model for brain tumor detection using Python, Fast.ai and PyTorch with 84% Accuracy.

**Skills** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
  
• **Languages :** Python | C/C++ | Java

• **Probability & Statistics:**

• **Machine Learning:** Scikit-learn | OpenCV | Pandas | NumPy | Matplotlib | Selenium | Django | Flask

• **Deep Learning** : PyTorch | TensorFlow | Natural Language Processing(NLP) | ComputerVision | Reinforcement Learning

• **Generative AI** : Large Language Models(LLMs) | LangChain | Generative Adversarial Networks(GANs)

**Education** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

| **B.S. COMPUTER SCIENCE-AI** |  | **Marwadi University** | *Rajkot, India* | **08/2020 - 04/2024** |
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• B.S., Computer Science with specialization in AI

**Others** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
  
• **Bronze Award**: Won 4th prize for the development of action game [SPIKE](https://youtu.be/XcmrRloeSEw?t=929) at HAL Game Development Competition in Tokyo **(03/2013)**• **Certificate of Japanese Language Proficiency N1**: The highest-level certificate of Japanese proficiency ([24.1%](http://www.jlpt.jp/e/statistics/archive/201202.html) Pass Rate) **(02/2014)**