DISHANT PARAG ZAVERI

College Station, Texas 77840

📞 (979) 599-3461 ✉ zaveridishant@gmail.com in dishantzaveri ⊙ dishantzaveri ⊕ Portfolio

EDUCATION

Texas A&M University   **Aug 2024 – May 2026**
*Master of Computer Science — **CGPA: 3.8/4.0***   *College Station, Texas*

University of Mumbai   **Dec 2020 – May 2024**
*B.Tech in Computer Engineering with **Honors** in Intelligent Computing — **CGPA: 3.9/4.0***   *Mumbai, India*

TECHNICAL SKILLS

Languages & Frameworks : **Python, C, C++, JavaScript, Java**, C#, Angular, React, Spring Boot, R, PyTorch, Ruby, Node.js
Tools & Platforms : Sass, Git, Github, **AWS, Docker, Kubernetes, Tableau, Power BI, Linux, Unix**, Azure, Spark, Jenkins, Jira
Databases & Interests : Networking, Oracle, **MongoDB, SQL**, NLP, ML, Operating Systems, Data Structures and Algorithms

ACHIEVEMENTS & CO-CURRICULAR ACTIVITIES

- **Won** the **Singapore India International Hackathon** and **Smart India Hackathon** , awarded by the **Prime Minister of India and Singapore** for GenAI systems and entrepreneurial mentorship applications jointly organized by **AICTE and NTU**. ⧉
- Published **8 research papers** and **won 15+ Hackathons**, among 600 participants from 22 countries. ●

PROFESSIONAL EXPERIENCE

Jefferies LLC   **Jun 2025 – Aug 2025**
Software Engineer Intern   *New Jersey, USA*
- Designed efficient backend with **Java** and **Spring Batch**, cutting retrieval time from 12s to 1s using pagination techniques.
- Enhanced enterprise dashboards using **Angular** and **AG Grid**, collaborating with frontend and QA teams to implement seamless dataset navigation, filtering, and sorting for improved usability and large-scale data interaction.
- Integrated with **SQL engines**, and **cloud storage**; orchestrated with 300+ automated tests via **CI/CD** workflows.

Indian Institute of Technology Patna   **Jul 2023 – Jun 2024**
Natural Language Processing Intern   *Remote*
- Improved **dataset quality by 40%** by scraping and annotating **20,000+ peer reviews** from ICLR, OpenReview, and NIPS.
- Enhanced **analysis by 25%** through developing **multitask models** with SciBERT, BERT-Base, and Bi-LSTM, and created POS, SciBERT Embeds, BiLSTM, and FFNN models, achieving **90% accuracy** in annotation predictions.
- Pioneered **RPoliteness library** for feature extraction and politeness score prediction, providing **30% precise insights**.

Earnest Data Analytics Private Limited   **Jan 2023 – Jun 2023**
Flutter and Machine Learning Developer   *Mumbai, India*
- Devised **segmentation algorithms**, boosting **customer retention by 15%** through personalized strategies.
- Implemented RFM, Churn, Cohort analysis, CLV, CLTV, RFM-D Models, and clustering for **customer segmentation**, and optimized ML models on **Amazon SageMaker**, enhancing precision and **forecasting reliability** by 20% and 25%.
- Refined UI and functional features for India's top Savings Card on Play Store, **increasing downloads by 30%**.

Sapio Analytica Private Limited   **Oct 2021 – Jun 2022**
Associate Project Manager and Software Developer   *Mumbai, India*
- Deployed an innovative Python model employing **PyTorch and TensorFlow**, boosting system efficiency by **40%**.
- Propelled **Census credibility by 35%** leveraging advanced image processing to accurately estimate **GeoJSON coordinates**.
- Led a high-performing team, elevating project deliverability and efficiency by **50% through strategic management**.

PROJECTS

Foxtrot - Financial fraud detection ⊙ | *NLP, LLM, LangChain, LSTM, RNN, Neo4j*   **May 2023 – Dec 2023**
- Engineered a **Deep Learning Model**, achieving a 95% accuracy rate in **detecting prize fluctuations** for risk assessment.
- Generated **anomaly detection graphs** to flag potential insider trades with **90% precision** based on criticality levels and leveraged **Langchain** to fetch data from a knowledge graph, elevating fidelity of **insights by 40%**.

CarGPT - Predictive model ⊙ | *Paddle OCR, VGG16, Sparse HStack, Streamlit, SAM.*   **Dec 2022 – Apr 2023**
- Implemented **Paddle OCR and VGG16** for damage analysis, amplifying prediction correctness by **20%**.
- Constructed a **Sparse HStack** of OHE attributes and developed a Sparse **Multi-Layer Perceptron Model**, augmenting processing efficiency by 35% and attaining 90% certainty in price prediction, deployed on **Streamlit**.

MentorDots - Interaction platform ⊙ | *React, Redux, React Native, ML, Blockchain, Django, Firebase*   **Jun 2022 – Nov 2022**
- Created a platform connecting 50+ mentors with 100+ entrepreneurs, facilitating **effective mentorship and funding**.
- Supervised a team of 6 programmers, overseeing UI design, API integration, bug testing, and model deployment, attaining a **30% increase in development efficiency** and secured $50,000 in **financial support from incubators**.