SUSHREE NADIMINTY

Buffalo, New York | sushreen1@gmail.com | 716-910-7704 | https://www.linkedin.com/in/sushree-nadiminty/ | https://github.com/sushree-n

EDUCATION

University at Buffalo, The State University of New York   **Expected Dec 2025**
Masters of Science in Computer Science and Engineering, AI/ML Specialization
Xavier Institute of Engineering, Mumbai University   **June 2023**
Bachelor in Engineering (Computer Engineering)   GPA - 9.44/10

WORK EXPERIENCE

M2P Fintech - Mumbai, India
Software Developer   **Jan 2024 - July 2024**
- **Played** an integral role as part of **Core Banking Solution** team at M2P Fintech, optimizing code for CBS turing software across 70+ co-operative banks in India, ensuring compliance with RBI and NPCI standards.
- Utilized **Java Spring** for backend and **Node.js/Express.js** for frontend, developing new features, fixing bugs, and improving system performance. Collaborated with cross-functional teams like KYC, Payments and ISO to ensure timely delivery of requirements.

Quantiphi Analytics - Mumbai, India   **July 2023 - Jan 2024**
Platform Engineer Intern
- **Analyzed** and implemented cloud-based solutions, primarily focusing on AWS and GCP platforms.
- **Designed** an efficient workflow, integrating security and privacy features, and optimizing costs using various AWS services such as Cognito, API Gateway, DynamoDB, S3, Amplify, Sagemaker, among others.

BSG IT SOFT Pvt. Ltd. - Mumbai, India   **June 2022 - July 2022**
Software Developer Intern
- **Developed** a robust facial recognition API using Python, empowering secure and efficient facial recognition technology for a client, and enhanced secure authentication by 56%.
- **Programmed** Flask, OpenCV, and face_recognition for backend and **built** a user-friendly frontend with React JS.
- **Tested** reliability using Postman.
- **Improved** code efficiency with image cropping and blurriness checks, achieving 94.2% accuracy.

CMP Infotech - Mumbai, India   **December 2021 - January 2022**
AI Intern
- **Created** a 'Food Recommendation Chatbot' hosted on Microsoft Azure.
- **Led** the project collecting user food preferences for personalized recommendations. **Gained** deep Azure Bot Services insights for conversational AI. **Applied** NLP and AI to create a bot suggesting dishes based on preferences and time constraints.
- **Handled** edge cases for reliability. **Improved** efficiency with a streamlined pipeline by 43.6%.

ACADEMIC PROJECTS

Audio Adversarial Attacks and Defence (Deep Learning, Major Project of Engineering)   **July 2022- April 2023**
- **Performed** extensive audio preprocessing, feature extraction, and transcription using DeepSpeech ASR. Created a responsive system for executing targeted transcription and adversarial attacks. **Built** a robust six-layer neural network for accurate audio logit generation.
- **Employed** iterative perturbations with Gradient Descent and CTC Loss, making psychoacoustic perturbations imperceptible while aligning transcriptions with target text. **Created** a user-friendly Flask web app frontend, exploring AMR and MP3 encoding.
- **Published** a paper titled 'A Comparative Study on Audio Adversarial Attacks' in the **International Journal of Innovative Research in Technology, Volume 9 Issue 11, April 2023.**

OCR for Regional Languages (Computer Vision)   **June 2021- Dec 2021**
- **Created** an OCR web app with Django and EasyOCR for Indian languages, integrating OpenCV, Pytesseract, and Translation APIs, boosting text recognition efficiency by nearly 30% compared to previously used methods.
- **Designed** a user-friendly HTML/CSS interface allowing image input, text detection for English translation, and a Text-to-Speech (TTS) feature aiding the visually impaired.

SKILLS

- **Programming languages:** Python, C, C++, Java, JavaScript, ReactJS, NodeJS, Express.js, SQL, HTML, CSS.
- **Others:** Machine Learning, Artificial Intelligence, Deep Learning, Natural Language Processing, Object Oriented Programming, Data Structures and Algorithms, Tensorflow, Keras, OpenCV, REST API.
- **Software:** Git, Cloud Platforms (AWS, Azure, GCP), Microsoft Office, Postman, Docker, Jenkins.

CERTIFICATIONS

Big Data & Hadoop Ecosystems, Udemy (2023) | Google Cloud Big Data and Machine Learning Fundamentals, Coursera (2023) | AWS VPC and Networking, Udemy (2023) | Microsoft Azure AI Fundamentals (AI-900) Certification (2021)

EXTRA-CURRICULAR ACTIVITIES

- **Training and Placement Cell Head** - Managed the hiring processes for various companies, supervised a team of 27 coordinators, and handled data for 500+ students across three departments for efficient documentation and management.   **June 2021- May 2023**
- **Head of Department (Literary Committee)** - Spearheaded a team of 50 volunteers, organizing five literary events with 400+ participants. Managed judge recruitment, venue, budget, and social media marketing.   **Dec 2022**
- **Secured** 3rd place at the World CSR Day Conference for presenting a paper.   **Feb 2023**
- **Delivered** guest lectures on NLP, Conversational AI and Sentiment Analysis, with over 100 attendees.   **March 2023**
- **Conducted** recurring hands-on workshops on Introduction to LaTeX, which received a footfall of 250.   **March 2023**