VANDANA ANDE

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Education

New Jersey Institute of Technology, NJ **Sep 2023 - May 2025**
Masters of science | Computer science

JNTUK University College of Engineering Vizianagaram, AP, IN **June 2017 - July 2021**
Bachelors | Computer science

Skills

Languages & Frameworks: C++ | C | Python | Java | JavaScript | React.js | Node.js | Spring Boot
DB, Tools & Technologies: MySQL | MongoDB | Firebase | Git | Linux | Docker | AWS (Familiar)
Other Skills: Machine Learning | Android | OOPS | Web Scraping | System Design (Familiar)

Work Experience

Associate Software Engineer - Accenture Solutions pvt ltd, India **Nov 2021- Aug 2023**
Worked on a global pharmaceutical project, enhancing system performance and backend reliability for a life sciences platform.

- Awarded 10/10 performance rating for two consecutive months for consistent delivery and client satisfaction.
- Boosted data query performance by 30% through optimization of complex SQL queries and stored procedures in Oracle and MySQL.
- Built scalable full-stack features with React.js, Node.js, and RESTful APIs, improving user experience by 25%.
- Managed backend operations: ETL workflows, server maintenance, and third-party API integration, reducing downtime by 20%.
- Collaborated with global teams across time zones to resolve production issues, achieving 95% SLA compliance.

Projects

AI Voice Notes Transcriber GitHub
Python, Streamlit, Azure Speech SDK, GitHub Actions, Azure App Service

- Built and deployed a cloud-based voice-to-text application with real-time transcription and PDF summarization.
- Integrated **Azure Speech-to-Text API** for accurate transcription and live audio processing.
- Designed a clean **Streamlit** UI with support for file upload, playback, and downloadable PDF export.
- Implemented **CI/CD** via GitHub Actions and deployed on Azure App Service with **secure key** handling.

Pneumonia Detection Using CNN GitHub
Python, TensorFlow, OpenCV
Developed a deep learning model to detect pneumonia from chest X-rays with over 90% validation accuracy.

- Preprocessed medical image datasets with augmentation techniques from Kaggle.
- Designed and tuned a custom CNN architecture for medical diagnostics.
- Delivered insights through a documented notebook and research-style report.

Address Translation Simulator GitHub
Python, Tkinter
Created an educational GUI simulating 1-level and 2-level paging, helping visualize memory management in OS.

- Simulated virtual-to-physical address translation with optional TLB caching.
- Tracked TLB hits/misses and page faults in real-time using a Tkinter-based interface.

Certification

PL/SQL and Oracle Technologies Training– Accenture ViewCertificate