LAKSHMI GOWRI MATTAPARTHI

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PROFESSIONAL SUMMARY

- Software Engineer with experience in Full-Stack Development, Machine Learning, and Data Engineering.
- Currently working at Model N as a UI Developer, enhancing security and test coverage.
- Skilled in Python, Java, JavaScript, SQL, and frameworks like React.js, Django, and Flask.
- Expertise in ML, Deep Learning, and Data Analysis with tools like TensorFlow, PyTorch, and Scikit-learn.
- Developed impactful projects in AI, web development, and sign language recognition.
- Certified in AWS, Microsoft Azure, ML, and Cloud Computing, committed to innovation and problem-solving.

SKILLS

- **Programming:** Python, Java, JavaScript, SQL
- **Machine Learning:** TensorFlow, KNN, SVM, Scikit-learn, Regression etc.
- **Data Analysis:** Matplotlib, Seaborn, Pandas, Numpy
- **Deep Learning:** Pytorch, ANN, CNN, Time Series
- **DBMS:** My SQL, PostgreSQL, Oracle SQL
- **Web Development:** HTML, CSS, JS, React Js, Django
- **Development Tools:** Docker, GitHub, IDE

WORK EXPERIENCE

Model N – **Associate Software Engineer**   *Aug 2022 – Present*

- Working on Platform Development Team as a Full stack developer.
- Working as UI Developer, with integration of User Access Management System with Gateway.
- Fixed 550+ vulnerabilities in the frontend.
- Increased test coverage from 0% to 78% using unit and integration testing frameworks.

Hitachi Vantara - Python Developer Intern   *Feb 2022 – Jun 2022*

- Developed and optimized ML-driven data pipelines, improving processing speed by 25%.
- Designed and implemented RESTful APIs for model inference and data analytics.
- Achieved 92% in technical assessments covering Python, SQL, and OOP principles.

PROJECTS

FaceFit AI *link*

- Designed for personalized user identification through facial features.
- Utilizes NumPy for numerical computations and array operations
- Includes a training module to learn from facial images
- Real-time webcam integration for live face detection

Handy Solver *link*

- It's a web-based calculator application that helps users to solve mathematical expressions.
- Provides both Arithmetic operations and advanced mathematical functions.
- Features a clean, user friendly interface for easy calculations.

Fingerspell Reader *link*

- A real-time sign language recognition system using computer vision.
- Helps bridge communication gap between hearing-impaired and non-sign language users
- Uses hand gesture detection to interpret American Sign Language (ASL) fingerspelling

CERTIFICATIONS

- **Data Engineering** — Amazon Web Services ∞
- **Azure AI Fundamentals** — Microsoft ∞
- **Web Development Essentials** — Coursera ∞
- **Machine Learning to Python** — IBM ∞
- **Machine Learning** — Internshala ∞
- **Cloud Computing Basics** — Coursera ∞

EDUCATION

- **M.Tech (AI & ML) | 7.0 CGPA**
  BITS Pilani, Hyderabad
  2023 - present

- **12th Class (MPC) | 95.1 %**
  Vidyanidhi Junior College 2018

- **B. Tech (CSE) | 8.9 CGPA**
  BVC Engineering College, Andhra Pradesh
  2018 – 2022

- **10th class | 9.7 CGPA**
  St. Mary E.M High School 2016