

MARLAKUNTA KEDHARESWER NAIDU

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SKILLS SUMMARY

- **LANGUAGES:** PYTHON, HTML, CSS, SQL, ML, DL AND AI
- **TOOLS/PLATFORMS:** MYSQL, TABLEAU, POWER BI, GOOGLE COLLAB, KAGGLE, AND HUGGING FACE
- **SOFT SKILLS:** LEADERSHIP, TEAM PLAYER, COMMUNICATION, ADAPTABILITY
- **AI TOOLS:** VO, LOVABLE, CURSOR, TREA, FIREBASE STUDIO, WINDSURF, CHATGPT, CLAUDE

EXPERIENCE

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| • UPGRAD CAMPUS | JANUARY 2025 - APRIL 2025 |
| RESEARCH INTERN | |
| • DEVELOPED A HYBRID SYSTEM COMBINING TRADITIONAL YARA RULES WITH ADVANCED MACHINE LEARNING TECHNIQUES. | |
| • COLLABORATED WITH A TEAM TO ADDRESS REAL-WORLD SECURITY THREATS THROUGH RESEARCH. | |
| • ENHANCED MY SKILLS IN PYTHON, DATA ANALYSIS, AND MACHINE LEARNING, PREPARING ME FOR FUTURE CHALLENGES IN CYBERSECURITY. | |
| • OUTLIER.AI | NOVEMBER 2024 - JANUARY 2025 |
| AI EVALUATOR, AI TRAINER - INDIVIDUAL CONTRACTOR | |
| • CONTRIBUTED TO THE TRAINING AND IMPROVEMENT OF GENERATIVE AI MODELS BY EVALUATING MATHEMATICAL CONTENT. | |
| • ASSESSED THE FACTUALITY, RELEVANCE, AND QUALITY OF AI-GENERATED TEXT WITHIN THE MATHEMATICS DOMAIN. | |
| • CRAFTED AND ANSWERED SUBJECT-SPECIFIC QUESTIONS TO ENHANCE THE ACCURACY OF AI OUTPUTS. | |
| • PSYLIQ | JANUARY 2024 - FEBRUARY 2024 |
| DATA ANALYST INTERN | |
| • WORKED ON EMPLOYEES HR DATA- CLEANED, STORED AND GATHERED INSIGHTFUL INFORMATION MADE COMPELLING VISUALIZATIONS USING MYSQL ,PYTHON AND POWER BI. | |
| • DEVELOPED DATA VISUALIZATIONS USING POWER BI TO INTERPRET COMPLEX DATASETS, ENHANCING DECISION-MAKING PROCESSES AND IMPROVING DATA COMPREHENSION BY 25% WITHIN A MONTH INTERNSHIP PERIOD. | |

PROJECTS

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| • THESISFLOW-AI | JANUARY 2025 - AUGUST 2025 |
| HTTPS://THESISFLOW-AI.VERCEL.APP/ | |
| • DEVELOPED AN AI-POWERED ACADEMIC RESEARCH PLATFORM INTEGRATING LITERATURE EXPLORATION, INTELLIGENT SUMMARIZATION, AND REAL-TIME COLLABORATION FEATURES FOR RESEARCHERS AND STUDENTS. | |
| • BUILT COLLABORATIVE TOOLS—PROJECT PLANNER, REAL-TIME CHAT, AND GANTT CHARTS—with persistent sessions via REACT, NODE.JS, AND WEB SOCKET INTEGRATION. | |
| • QUANTUMPDF CHATAPP | SEPTEMBER 2024 - MARCH 2025 |
| HTTPS://GITHUB.COM/KEDHARESWER/QUANTUMPDF_CHATAPP , HTTPS://QUANTUMN-PDF-CHATAPP.NETLIFY.APP/ | |
| • ENGINEERED A RETRIEVAL-AUGMENTED GENERATION (RAG) CHAT APPLICATION THAT INTEGRATES PDF PROCESSING WITH A VECTOR DATABASE TO ENABLE INTELLIGENT, DOCUMENT-AWARE QUESTION-ANSWERING. | |
| • OPTIMIZED DOCUMENT ANALYSIS PIPELINE WITH ADAPTIVE CHUNK SIZING (~200–1000 TOKENS PER CHUNK), REAL-TIME QUALITY METRICS, AND VECTOR DATABASE INTEGRATION (SUPPORT FOR PINECONE, CHROMADB, WEAVIATE, AND LOCAL STORAGE). | |
| • ACHIEVED HIGHLY ACCURATE RETRIEVAL: SEMANTIC SEARCH PRECISION UP TO 92% AND RESPONSE LATENCY <5.2 SECONDS PER QUERY (BENCHMARKED WITH UP TO 5,000 PDF CHUNKS). | |

CERTIFICATIONS

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| • NEO4J CERTIFIED PROFESSIONAL FROM NEO4J | JULY 2025 |
| • PYTHON FOR DATA SCIENCE BY INFOSYS | MAY 2025 |
| • AWS APAC - SOLUTIONS ARCHITECTURE JOB SIMULATION BY FORAGE | DECEMBER 2024 |

EDUCATION

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| • LOVELY PROFESSIONAL UNIVERSITY | PUNJAB, INDIA |
| BACHELOR OF TECHNOLOGY - COMPUTER SCIENCE AND ENGINEERING. | |
| DATA SCIENCE (AI & ML); CGPA: 7.71 | SEPTEMBER 2021 - JULY 2025 |
| • SRI SIDDHARTHA JUNIOR COLLEGE | MADANAPALLI, INDIA |
| INTERMEDIATE; MARKS: 889 | JULY 2019 - JUN 2021 |
| • VIJAYA BHARATHI ENGLISH MEDIUM HIGH SCHOOL | MADANAPALLI, INDIA |
| MATRICULATION; GPA:9.5 | JUNE 2018 - MARCH 2019 |