

# 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, AND HUGGING FACE
- **SOFT SKILLS:** TEAM PLAYER, COMMUNICATION, ADAPTABILITY
- **AI TOOLS:** VO, LOVABLE, CURSOR, TREA, FIREBASE STUDIO, WINDSURF, CHATGPT, CLAUDE

## EXPERIENCE

- |   |                                     |
|---|-------------------------------------|
| • <b>DILIGENCE VULT</b>   | CURRENT                             |
| AI ENGINEER INTERN  |                                     |
| • BUILT AGENT ORCHESTRATION AND AUTOMATED-GENERATION WORKFLOWS FOR DOCUMENT QA, PROCESSING UP TO 5,000 CHUNKS WITH SEMANTIC RETRIEVAL PRECISION ~82%, CUTTING MANUAL REVIEW EFFORT BY ~60%. |                                     |
| • DELIVERED <b>PRODUCTION REST APIs</b> AND INTEGRATION ENDPOINTS, HELPING SHORTEN CLIENT INTEGRATION TIME BY ~70% AND ENABLING ROLLOUT TO MULTIPLE ENTERPRISE CUSTOMERS.                   |                                     |
| • <b>UPGRAD CAMPUS</b>  | <b>JANUARY 2025 - APRIL 2025</b>    |
| 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.   |                                     |
| • <b>OUTLIER.AI</b>   | <b>NOVEMBER 2024 - JANUARY 2025</b> |
| 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.  |                                     |

## PROJECTS

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|---|------------------------------------|
| • <b>THESISFLOW-AI</b>  | <b>JANUARY 2025 - AUGUST 2025</b>  |
| <a href="https://thesisflow-ai.vercel.app/">HTTPS://THESISFLOW-AI.VERCEL.APP/</a>   |                                    |
| • 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.  |                                    |
| • <b>QUANTUMPDF CHATAPP</b>   | <b>SEPTEMBER 2024 - MARCH 2025</b> |
| <a href="https://github.com/kedhareswer/QuantumPDF_ChatApp">HTTPS://GITHUB.COM/KEDHARESWER/QUANTUMPDF_CHATAPP</a> , <a href="https://quantumn-pdf-chatapp.netlify.app/">HTTPS://QUANTUMN-PDF-CHATAPP.NETLIFY.APP/</a> |                                    |
| • 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, AND LOCAL STORAGE).                 |                                    |
| • ACHIEVED HIGHLY ACCURATE RETRIEVAL: SEMANTIC SEARCH PRECISION UP TO 82% AND RESPONSE LATENCY <9.5 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

- |  |                            |
|--|----------------------------|
| • <b>LOVELY PROFESSIONAL UNIVERSITY</b>                    | <b>PUNJAB, INDIA</b>       |
| BACHELOR OF TECHNOLOGY - COMPUTER SCIENCE AND ENGINEERING. |                            |
| DATA SCIENCE (AI & ML); CGPA: 7.74                         | SEPTEMBER 2021 - JULY 2025 |
| • <b>SRI SIDDHARTHA JUNIOR COLLEGE</b>                     | <b>MADANAPALLI, INDIA</b>  |
| HIGHER SECONDARY; MARKS: 889                               | JULY 2019 - JUNE 2021      |
| • <b>VIJAYA BHARATHI ENGLISH MEDIUM HIGH SCHOOL</b>        | <b>MADANAPALLI, INDIA</b>  |
| MATRICULATION; GPA: 9.5                                    | JUNE 2018 - MARCH 2019     |