

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

- **DILIGENCEVAULT** 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 **PRODUCTION REST APIS** AND INTEGRATION ENDPOINTS, HELPING SHORTEN CLIENT INTEGRATION TIME BY ~70% AND ENABLING ROLLOUT TO MULTIPLE ENTERPRISE CUSTOMERS.
- **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.

PROJECTS

- **THESISFLOW-AI** JANUARY 2025 - AUGUST 2025
[HTTPS://THESISFLOW-AI.VERCEL.APP/](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 WEBSOCKET INTEGRATION.
- **QUANTUMPDF CHATAPP** SEPTEMBER 2024 - MARCH 2025
[HTTPS://GITHUB.COM/KEDHARESVER/QUANTUMPDF_CHATAPP](https://github.com/KEDHARESVER/QUANTUMPDF_CHATAPP), [HTTPS://QUANTUMN-PDF-CHATAPP.NETLIFY.APP/](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, 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

- 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

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