NIVED KRISHNA PRAKASH

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EXPERIENCE

GitHub Contributor   Jun 2024 - Present
Anti-Malware Alliance   *Github*

- Collaborated with a global team of developers to improve threat detection and analysis tools
- Implemented a web scraping tool using SeleniumBase to gather and analyze malware-related data

Software Engineer   Nov 2023 - Feb 2024
Sosuv Consulting Pvt. Ltd.   *Bengaluru, India*

- Key member of FIX Connectivity team at LiquidityBook LLC, USA
- Established new trading routes, generating INR 70 lakh monthly revenue
- Developed custom Java order screens with 15+ broker defined algo strategies, boosting client satisfaction
- Optimized workflows, achieving $\sim$ 100% query speed improvement for large tables
- Stack: Java, SQL, FIX Protocol, ATDL, Git, Jira, Jenkins, Confluence, PfSense

Data Analyst   Jan 2023 - May 2023
Freelance   *Remote*

- Conducted analyses for medical products manufacturer, enhancing decision-making
- Developed reports using seasonal health data to support client decision-making processes
- Completed 6 projects, delivering clear insights and driving competitive advantage
- Stack: Python, R, Excel, Tableau, SQL

SKILLS

Languages	Python, SQL, JavaScript, Java, R
Development	Django, Flask, HTML, CSS, React, Node
Databases	PostgreSQL, MySQL, Neo4j
Others	Docker, Git, VSCode, Neovim, Jira, Confluence, Trello, Windows, Unix/Linux

EDUCATION

MSc. Data Science
Chandigarh University, Punjab   2021 - 2023
- Chief Technical Officer for Indian Science Congress Association

BSc. Physics, Electronics & Maths (Triple Majors)
St. Joseph's College (Autonomous), Bangalore   2018 - 2021
- Bass Singer of The Josephite Choir, Member of Josephite Electronics Club

PROJECTS

Le Carmagnole   *Advanced News Aggregator*

- News aggregator with analytics, live market data, customisable news
- Powered by REST APIs, SSEs, JWT and session auths, automated ETL pipelines
- Integrated Llama3 for intelligent news summarization and personalized newsletters
- *Tech Stack:* Python, Django, React, TailwindCSS, PostgreSQL, Docker, Llama3

Maya Realtor   *AI-Powered Real Estate Chatbot*

- Developed a Telegram bot for Mumbai real estate recommendations
- Designed an efficient router agent for managing diverse user inputs
- Implemented RAG system with Cypher query generation for precise information retrieval
- *Tech Stack:* Python, Neo4J, Langchain, Ollama, Phi3 LLM

AICF ID Card Generator   *Web-Based Automation Tool*

- Created a Flask-based web app for automated generation of AICF player ID cards
- Utilized Pillow for image processing
- *Tech Stack:* Python, Flask, Pillow, HTML, CSS, JavaScript, jQuery

RESEARCH

- "Exploring the Effectiveness of Ensemble Learning Techniques for the Classification of Stellar Objects in Gaia DR3" - CRC Press, 2024

CERTIFICATIONS

- Data Analytics Professional Certificate, Google
- Data Engineering Professional Certificate, IBM
- Python for Data Science, IIT-K