Shubh Pundir

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PROFESSIONAL SUMMARY

Dynamic and results-oriented software developer with a strong focus on project-based learning and hands-on development. Proven track record as a freelance developer, successfully managing and delivering client projects with impactful results. Committed to continuous learning, creative problem-solving, and producing high-quality, scalable software

EDUCATION

The Northcap University	2022 - 2026
Bachelor of Technology in Computer Science Engineering	*Current GPA: 8.98/10.0*
Sri Sri Academy (12th ISC)	2022
Physics, Chemistry and Mathematics + Computer Science	*Percentage: 90.0*
Sri Sri Academy (10th ICSE)	2020
Science + Computer Science	*Percentage: 94.7*

SKILLS

Languages: C/C++, Java, Python, HTML, CSS, Javascript, SQL/NOSQL, R
Skills: Data Analytics, Data Engineering , Machine Learning, Natural Language Processing, LLM tuning, Recommendation Engines, Computer Vision Models, Web Scraping, PyTorch, TensorFlow, Back-end MVC, Data Structures and Algorithms
Software: Git/GitHub, Unix Shell, Power BI, Tableau, Excel, AWS , Azure AI

PROJECTS

Food-Stat | *Python, Flask, Jinja, NLP* — Dec 2024
- Developed a custom scoring logic and prompt strategy to mimic expert-level nutritional reasoning for accurate and explainable food ratings.
- Designed dynamic user profiling for context-aware recommendations (e.g., Pregnant Mothers, Infants, Muscle Up, Weight Loss). using Flask + Jinja that supports real-time rating displays
- Curated our own dataset via linking multiple APIs and FSSAI's RTI

Find-DB: Database Engine from Scratch | *Java, Maven* — April 2025
- Developed a lightweight custom binary file based database engine in Java with CRUD operations, simulating a relational DBMS from scratch.
- Integrated a B+ Tree indexing system for logarithmic-time lookup with prefix-based search using Trie for intelligent auto-completion on name fields.
- Engine designed to support future modules such as query optimization, transactions, and web-based admin interface.

AI-Based Music Recommendation System | *Python, Tensorflow, Spark, NLP, Beautiful Soup4, ReactJS* — April 2025
- Extracted audio features (tempo, pitch, MFCCs, etc.) with audio fingerprinting and embedded lyrics using transformer-based NLP models for emotion analysis.
- Developed a hybrid recommendation logic combining collaborative and content-based filtering with context awareness (e.g., user mood, time).
- Stored metadata and vector embeddings in an optimized BigData Warehouse from multiple APIs and vector database setup for scalable search and retrieval.

EXPERIENCE

TEN: The Entrepreneurship Network | *Junior Java Intern* — Sep 2021 to Nov 2021
Analyzed requirements and developed a webpage for multi-media organizations. Implemented RazorPay API, ensuring seamless payment processing and troubleshooting issues related to improving user experience. Collaborated with cross-functional teams to resolve bugs and improve back-end performance by 20%, contributing to efficient transaction processing and user management.

WDS: Wiz Digital Services | *Machine Learning Intern* — Jan 2024 to May 2024
Implemented NLP techniques on multiple clientele dataset to encrypt and safeguard sensitive data with an accuracy of 92%. Collaborated with cross-functional teams to integrate privacy-preserving techniques seamlessly into existing and legacy systems. Defined and executed NLU principles in creating and deploying multiple end-to-end ChatBots and open source LLMs to drive customer satisfaction close to 78%

CERTIFICATIONS

Microsoft Azure AZ 9000
Introduction to MongoDB
AWS Academy: Data Engineering