

Dhanush Kumar

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AI / ML Engineer (Fresher) | Data Scientist | Applied AI / GenAI Engineer

EDUCATION

Bachelor of Engineering (B.E.) – Biotechnology

NMAM Institute of Technology, Nitte, Karkala

2020 – 2024 | CGPA: 6.54

RELEVANT COURSEWORK

Python Programming & Problem Solving (Google/Coursera) • Generative AI Fundamentals & Responsible AI (Google AI Essentials) • Prompt Engineering (prompt structuring, role prompting, iterative refinement) • Prompt-to-Prototype with GenAI Tools (Google AI Studio, NotebookLM, Nano Banana) • AI Agent Foundations (planning, tool-use, evaluation) • AI & ML Fundamentals (ML/DL concepts, NLP overview) • Data Science Foundations (Data Science + ML overview) • Professional Skills & Interview Readiness (TCS iON)

EXPERIENCE

Technical Support Engineer

Unify CX | 4 Months - Provided technical troubleshooting and end-user support for software and system-related issues. - Analyzed problems, documented solutions, and escalated issues when required. - Developed strong communication, analytical thinking, and real-time problem-solving skills.

SELECTED PROJECTS

AI Resume-Job Matching System (Personal Project)

- Built an end-to-end AI system to compare multiple resume PDFs against a job description and compute match scores.
- Implemented NLP-based text processing using TF-IDF vectorization and cosine similarity to measure resume-job relevance.
- Developed skill gap analysis to identify matching and missing skills between resumes and job requirements.
- Automated ranking of resumes based on similarity scores to simulate real-world ATS behavior.
- Designed clear and explainable outputs for transparency and recruiter interpretability.

AI Learning Path Generator Agent (Kaggle Capstone Project)

- Developed an AI agent that generates personalized AI learning paths based on user goals and existing skill levels.
 - Applied agent-based reasoning to recommend structured learning sequences across AI and ML topics.
 - Built and evaluated as part of Kaggle's Agents Intensive Capstone Project.
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CERTIFICATIONS

- 5-Day AI Agents Intensive Course with Google (Kaggle)
 - Google AI Essentials
 - Crash Course on Python – Google (Coursera)
 - Introduction to Generative AI – Google Cloud (Simplilearn)
 - Introduction to Prompt Engineering with GitHub Copilot – Microsoft
 - AI and Machine Learning – IBM SkillsBuild
 - Data Science Orientation – IBM (Coursera)
 - TCS iON Career Edge – Young Professional
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SKILLS

Programming: Python (core syntax, functions, loops), data structures, debugging, IDE/Jupyter workflows

Data & ML: Data handling with Pandas/NumPy, classical ML basics, similarity-based matching, basic model evaluation concepts

NLP: Text preprocessing, TF-IDF vectorization, cosine similarity, keyword/skill extraction (rule-based), explainable matching outputs

GenAI & Prompting: Generative AI fundamentals, prompt engineering (role prompting, few-shot prompting, iterative refinement), rapid prototyping using Google AI Studio, NotebookLM, Nano Banana, responsible AI basics

AI Agents: Agent workflows (goal → plan → act), structured outputs, tool-use patterns (course-based)

Tools: scikit-learn, Jupyter Notebook, Git, GitHub, Kaggle

Professional Skills: Technical troubleshooting, documentation, communication