Krishna Chaudhari

+91 7219727881 | krishnachaudhari@gmail.com | LinkedIn | GitHub | Pune, MH

SUMMARY

Aspiring AI/ML and software development engineer with strong proficiency in Python and C++. Experienced in data analysis, machine learning, and writing clean, efficient C++ code with solid fundamentals in data structures and algorithms. Skilled in building and deploying scalable AI solutions using FastAPI, Node.js, and SQL.

EDUCATION

Marathwada Mitramandal's College of Engineering (MMCOE), Pune July 2023 – June 2027
B.E. in Artificial Intelligence and Data Science **Current CGPA: 8.0/10**
Relevant Coursework: Data Structures and Algorithms(C++), Object-Oriented Programming, Database Management Systems, Machine Learning Fundamentals, Data Science, Cloud Computing

EXPERIENCE

Global Next Consulting India Pvt. Ltd. – AI-ML Intern Oct 2025 – Dec 2025

- Processed and analyzed large-scale real-world datasets (10k+ records) using Python for data cleaning, exploratory data analysis (EDA), and model preparation.
- Built, evaluated, and optimized machine learning and deep learning models, achieving up to 25% performance improvement through systematic tuning.
- Applied statistical analysis and data visualization to generate actionable insights and support data-driven decision-making across end-to-end AI/ML workflows.

PROJECTS

Universal AI Memory System | MCP & Multi-Platform Integration GitHub
Tech Stack: Python, FastAPI, SQLite, Node.js, MCP, REST APIs

- Developed a multi-platform shared memory system enabling Claude MCP, ChatGPT Actions, and Gemini to access a unified context, reducing redundant prompting by 70–80%.
- Designed and deployed a FastAPI + SQLite backend on Render with persistent storage, achieving 100% data retention across restarts and supporting reliable memory operations.
- Built a Node.js MCP server with an OpenAPI tool layer and multi-language SDKs (Python/Node), enabling real-time CRUD operations from IDEs and AI tools with <100ms latency.

Autonomous Vehicle | Reinforcement Learning-Based Driving Simulator GitHub
Tech Stack: Python, Reinforcement Learning, Q-Learning, OpenAI Gym, NumPy, Matplotlib, Algorithm Optimization

- Improved the track completion rate from 0% (baseline fixed-policy model) to 100% (3/3 successful runs) using tabular Q-learning after 6,500+ training episodes.
- Optimized training efficiency with a dynamic epsilon-reset exploration strategy, reducing convergence time by ~65% and increasing the average reward growth rate by ~30% compared to static epsilon decay.
- Enhanced model stability and reproducibility by implementing state-saving, performance monitoring, and adaptive training control, cutting variability across runs to <5% compared to >45% in previous setups.

TECHNICAL SKILLS

Languages: Python, C++, JavaScript
Data & Machine Learning: SQL, Pandas, NumPy, Scikit-learn, Data Analysis, Data Visualization, Machine Learning, RAG, AI Agents, ANN, GenAI Concepts
Backend & Databases: Node.js, REST APIs, FastAPI, MySQL, PostgreSQL, MongoDB
Frontend & Tools: React.js, HTML5, CSS3, Tailwind CSS, Git, GitHub, MCP (Model Context Protocol)

CERTIFICATIONS

- Copyright Registered Academic Mini Project — Government of India (2025) – Certificate
- NVIDIA: Building RAG Agents with LLMs – Certificate
- Google for Developers : AI/ML Virtual Internship – Certificate