Arnav Karwa

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SUMMARY

Results-oriented Software Developer with a robust foundation in AI, Machine Learning, Data Science, and Full-Stack Development. Skilled in Python, SQL, TensorFlow, and data visualization tools, coupled with expertise in the MERN stack. Proven ability to significantly improve performance, resolve complex issues, and deliver actionable data insights. Seeking to apply technical proficiency and innovative thinking in a challenging software development position.

EDUCATION

MIT-WPU   *Pune, India*
BTech in Computer Science and Engineering (Artificial Intelligence & Data Science)   2023 – 2027

SKILLS

Languages: JavaScript, Python, C++, SQL, TypeScript, C, PHP

Frontend: HTML, CSS, React, Tailwind CSS, Bootstrap, Angular

Backend & Databases: Node.js, Express, Django, FastAPI, REST APIs, SQLAlchemy, PostgreSQL, SQLite, MySQL, InfluxDB

AI & ML: TensorFlow, Keras, Scikit-learn, Deep Learning, LSTM

Data Science: NumPy, Pandas, Matplotlib, Seaborn, Tableau, Power BI, Data Analysis, Statistics

Tools: Git, Github, Docker, Postman, Jupyter, Firebase

EXPERIENCE

Integrated Active Monitoring Pvt. Ltd. (IAM)   *Pune, India*
Software Developer   Jan 2025 – Present
- Led full-stack development of a sales web application as the primary developer making accessing data faster by 50%.
- Improved website performance by 500% through optimized database schema and query tuning.
- Reduced critical UI and backend errors by 30% through rigorous debugging and collaborative problem-solving within a 20-member team.
- Implemented robust authentication and authorization mechanisms, including API security and scope-based access to enhance system security.

RELEVANT PROJECTS

Stock Market Predictor: (Code)
- 7-day stock market predictor utilizing advanced ML techniques and sentiment analysis achieving **90%** accuracy on predicted data.
- Tech: Keras, NLTK, LSTM, Python, Pandas

Amazon Smartphone Dataset Analysis: (Code)
- Data preprocessing, handling missing values, outliers, and visualization on Amazon Top Smartphones 2021.
- Tech: NumPy, Pandas, Jupyter, Scikit-learn

Handwritten Number Identifier: (Code)
- Identifying handwritten numbers using CNN with Keras and TensorFlow achieving **98%** accuracy.
- Tech: Keras, TensorFlow, Seaborn, NumPy, Python

Pharmacy Management System: (Code)
- Inventory and order management system using Tkinter & MySQL streamlining pharmacy operations.
- Tech: Python, MySQL, Tkinter, PL/SQL

Inventory Management System: (Code)
- Object-Oriented Inventory Management System with File I/O and Low Stock Report Generation.
- Tech: C++, OOP, File Handling