Chirag Chandrashekar

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SUMMARY

Full-stack Software Engineer experienced in building scalable MLOps pipelines, deploying ML models, and implementing CI/CD for ML systems. Skilled in cloud platforms, Docker/Kubernetes, and monitoring model performance to improve reliability, scalability, and observability.

SKILLS

Programming Languages: Python, Java, SQL, JavaScript, React, Node.js, CSS, Express, TypeScript.

Packages: Numpy, Pandas, Matplotlib, Seaborn, TensorFlow, PyTorch, PySpark, Scikit-Learn.

Version Control & Database: Git, SQL Server, PostgreSQL, MongoDB, MySQL, Neon, Supabase DB.

Frameworks and Tools: ServiceNow, HP ALM, Medidata Rave Tool, Docker, and Visual Studio.

Business Skills: Data Analysis, Machine Learning, Statistical Modeling, Predictive Analytics, Data Visualization, Deep Learning, Big Data, Algorithm Development, Feature Engineering, Predictive Modeling, Data Mining, Computer Vision.

PROFESSIONAL EXPERIENCE

Accenture — Bangalore, India
Data Analyst — *10/2019 – 07/2022*

- Reduced data discrepancies by 15% over 14 months by optimizing data pipelines and validation workflows in Medidata Rave.
- Developed a secure microservice to aggregate and test clinical trial data from multiple external sources.
- Created 280+ test cases in HP ALM, achieving 90% bug detection and resolution through automated testing and rigorous validation.

PROJECTS

Informative AI App
A web-based interactive AI prompt
- Built a modern AI-powered web app with **Next.js** and **React**, featuring responsive design, file/image uploads, multi-model selection, and dark/light mode.
- Implemented chat history, markdown rendering, and optimized builds for fast, production-ready performance.

Volunteering Management Page
Web App developed to integrate user authentication, event browsing, and event signup.
- Built a full-stack volunteer management app with **Docker**, featuring secure authentication, event browsing, and a scalable SQL database.
- Automated data collection and analysis using **Python** and **SQL**, delivering real-time insights, reports, and visualizations to improve scheduling and decision-making.

Team Pressing Project: Premier League Analysise
Prediction module to predict injuries and goals per game in Premier League games
- Analyzed Premier League team performance, identifying low shot conversion rates using statistical trend analysis and metrics.
- Built visualizations (heatmaps, scatter plots, time-series) to uncover performance patterns and insights.
- Developed 12 predictive models with **PCA**, achieving strong results in injury prediction (**ElasticNet**) and goal forecasting (**Linear Regression**).

EDUCATION

University of Colorado Boulder — Boulder, CO
Masters in Electrical Engineering(LINCD), CGPA: 3.88/4.0 — *08/2022 - 05/2024*

BMS College of Engineering — Bangalore, IN
Electronics and Communication Engineering, CGPA: 8.2/10 — *08/2015 - 05/2019*