

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 Analysis

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