

# Yashwanth Chikki HD

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## Technical Skills

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**Languages & Databases:** Python, SQL, JSON, PostgreSQL, MySQL, SQLite, Snowflake

**Data Analytics & BI Tools:** Power BI, Tableau, Streamlit, Excel (Power Query, Pivot Tables), Matplotlib, Seaborn, Plotly

**Analytics & Data Skills:** Exploratory Data Analysis (EDA), Data Cleaning & Wrangling, KPI Design, Dashboard Development, A/B Testing, Cohort Analysis, Funnel Analysis, Customer Segmentation, Correlation Analysis

**Python & Machine Learning:** Pandas, NumPy, Scikit-learn, Feature Engineering, Predictive Modeling

**Tools & Workflow:** Git, Jupyter Notebook, PDF/Excel Automation, Agile Collaboration

## Experience

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**Fidelity Investments – Apprentice, Analytics & ML** – Bangalore, Karnataka Feb 2025 – Present

- Developed 4 ML tools (CES predictor, intent classifier, page/advisor ranking systems) with Streamlit; engineered feature pipelines and deployed models to guide prioritization and resource allocation.
- Designed dynamic ranking interfaces with scenario simulation logic; provided actionable insights from correlation analysis to product and design teams.

**Innosights Soft Solutions – Machine Learning Intern** – Bangalore, Karnataka Feb 2024 – Apr 2024

- Achieved 94.2% validation accuracy through a CNN model for plant disease detection on a 61,486-image dataset, reducing manual diagnosis time by 80%.
- Enhanced model performance by 15% via data augmentation and normalization; integrated REST APIs with Flask for real-time inference with 200ms response time during deployment.

## Projects

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### Customer Effort Score (CES)

- Designed new KPI measuring transaction friction; built logistic regression classifier using 12 engineered features to predict high-effort transactions before failure.
- Replaced NPS (Net Promoter Score) with CES as primary app health metric; reduced transaction abandonment by enabling targeted friction fixes.

### Transaction Intent Estimation

- Built multi-class classification model predicting user transaction intent across 88 transaction types.
- Improved workflow optimization and transaction success prediction accuracy.

### Page Prioritization Tool

- Built Streamlit tool analyzing 9 features (user friction, revenue, volume) to rank app pages by impact; enabled dynamic scenario simulation for development prioritization.
- Helps product teams make data-backed decisions on which pages to migrate to native mobile app based on ROI.

### Advisor Ranking & Incentive Optimization

- Designed advisor ranking system (Streamlit) expanding from asset under management(AUM)-only to 16 strategic features (growth, risk, early-stage value).
- Optimized incentive allocation; improved advisor retention by recognizing and rewarding early-stage focused advisors beyond pure AUM.

## Education

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**B.E., Artificial Intelligence & Machine Learning**

Dec 2020 -June 2024

Dayananda Sagar College of Engineering – Bangalore, India