

PRAGYA NAMDEV

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PROFESSIONAL SUMMARY

Final-year Computer Science student experienced in end-to-end data analysis and machine learning — from data cleaning, feature engineering, and dashboarding to model building, evaluation, and production deployment. Skilled in Python, SQL, and Power BI, with applied work in regression, classification, clustering, ensemble methods, hyperparameter tuning, and PCA across real-world datasets.

EDUCATION

Quantum University, Roorkee — B.Tech, Computer Science & Engineering

2023 – 2027

Coursework: Machine Learning, Statistics, DBMS, Data Structures & Algorithms

SKILLS

- **Languages & Libraries:** Python, Pandas, NumPy, Scikit-learn, Matplotlib
- **ML Techniques:** Regression, Classification, Clustering, Ensemble Methods, Hyperparameter Tuning, PCA, Feature Engineering
- **Data & Visualization:** SQL, Power BI, Automated PDF Reporting
- **Tools:** Git, GitHub, Jupyter/Colab, VS Code

PROJECTS

CodeBurnout AI | github.com/PragyaNamdev/codeburnout

Python, Streamlit, GitHub REST API

- Built an end-to-end burnout-risk scoring engine analyzing developer commit-history data pulled live via the GitHub REST API.
- Engineered 20+ behavioral features from commit timing, frequency, and message sentiment, then designed a weighted rule-based scoring algorithm to classify risk into Healthy, Warning, and High Risk tiers.
- Deployed a full 11-page modular data application end-to-end on Streamlit Cloud, with automated ReportLab-based PDF report generation and Plotly visualizations summarizing each user's risk analysis.
- Built for and presented at the Elite Coders Open Source Hackathon 2026.

Student Depression Prediction System

Python, Pandas, Scikit-learn

- Built a classification pipeline (~83.7% accuracy) to predict depression risk from academic and lifestyle survey data.
- Cleaned and preprocessed raw survey data, engineered predictive features, and benchmarked multiple algorithms to select the best-performing model.
- Evaluated models using accuracy, precision/recall, and confusion-matrix analysis to validate real-world reliability.

Car Price Prediction

Python, Pandas, Scikit-learn

- Built a regression model (~84% R^2) to predict resale car prices from historical listing data.
- Performed data cleaning and feature engineering on categorical and numerical listing attributes to improve model fit.
- Compared multiple regression approaches to select the model with the best generalization performance.

EXPERIENCE

Full Stack Web Development Intern — Anonic Technologies Pvt. Ltd. (Virtual)

Jul 2024 – Aug 2024

- Built and optimized full-stack features using React.js and Node.js, contributing to both frontend components and backend services.
- Designed REST APIs and contributed to database schema design, strengthening backend functionality.
- Collaborated with a distributed engineering team to debug issues and ship features against deadlines.

Web Design & Leadership Facilitator — Nobel Learning PBC (Virtual)

May 2025 – Jul 2025

- Completed a 90-hour Learner-to-Leader training program covering web design, internet troubleshooting, and technical communication.
- Facilitated peer learning sessions, building leadership, teamwork, and collaborative problem-solving skills.

CERTIFICATIONS & ACHIEVEMENTS

- **Certifications:** Microsoft Fabric Data Science, Microsoft Power BI, Google/Kaggle AI Agents Intensive, Deloitte Australia Data Analytics (Forage).
- Presented research paper on robot programming language synthesis for multi-modal control systems at SIESD 2025 International Conference, CSIR-CBRI Roorkee.