

KAJA AVINASH

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PROFESSIONAL SUMMARY

Enthusiastic 3rd year B.Tech student in Artificial Intelligence and Data Science (AI & DS) at Vasireddy Venkatadri Institute of Technology (CGPA: 8.52), eager to apply problem-solving, programming, and teamwork skills. Proficient in Python, SQL, Java, Machine Learning, NLP, scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, and OpenCV. Completed 5 internships and developed 25+ projects in Machine Learning, Predictive Analytics, Computer Vision, and Data Analysis. IBM Certified Data Science Professional and NPTEL Silver Medalist in Java. Seeking opportunities to contribute to real-world projects while gaining industry experience and enhancing my learning professionally.

EDUCATION

Vasireddy Venkatadri Institute of Technology (VVIT)
B.Tech — Artificial Intelligence and Data Science; CGPA: 8.52

Nambur, AP, India
Sep 2023 – Jun 2027

SKILLS SUMMARY

- **Languages** : Python, SQL, Java, C, HTML5, CSS3, JavaScript
- **ML/AI** : Machine Learning, scikit-learn, Random Forest, NLP, NLTK, Supervised Learning, Feature Engineering
- **Data & BI** : Pandas, NumPy, Matplotlib, Seaborn, Power BI, DAX, Power Query, Data Modeling
- **Tools** : Git, GitHub, Jupyter Notebook, VS Code, AWS, Google Cloud, OpenCV
- **Databases** : Oracle, MongoDB

INTERNSHIP EXPERIENCE

Power BI Intern | Microsoft Elevate & AICTE

Feb 2026 – Mar 2026

Built Revenue Hemorrhage Intelligence Dashboard analyzing 7,043 telecom customers to identify \$448K revenue loss and 26.5% churn rate using Power BI, DAX, and Power Query.

Designed 5-page intelligence system (Executive Overview, Churn Deep Dive, Revenue Intelligence, Risk Profile, Retention Strategy) with KPI-driven dashboards and star schema data modeling.

Developed DAX measures for customer segmentation and risk profiling; proposed retention strategies targeting \$680K annual savings and reducing churn from 26.5% to 15%.

AI Intern — Dynamic AI Text Analysis Platform | Infosys Springboard

Nov 2025 – Jan 2026

Designed and developed NarrativeNexus, an AI-powered text analysis platform using Python, NLP, and NLTK for pattern recognition, sentiment analysis, entity recognition, and insight extraction from textual data.

Implemented machine learning algorithms for intelligent decision-making, incorporating data preprocessing, feature engineering, and model optimization techniques.

Gained hands-on experience in end-to-end AI system development, from data collection and cleaning to model deployment and real-world application testing.

AI Intern — Microsoft AICTE Program | Edunet Foundation

Apr 2025 – May 2025

Completed comprehensive training in supervised learning, model evaluation metrics, feature selection techniques, and AI ethics through Microsoft AICTE collaboration program.

Built Heart Disease Prediction model using Python and scikit-learn, applying logistic regression and decision tree algorithms with feature engineering to achieve strong predictive accuracy.

Performed hyperparameter tuning, cross-validation, and model optimization to enhance prediction performance and generalization on healthcare datasets.

Artificial Intelligence Intern | NoviTech R&D Pvt. Ltd.

Jan 2025 – Mar 2025

Built and evaluated machine learning models on real-time industry datasets using Python, scikit-learn, Pandas, and statistical analysis techniques.

Gained practical experience in AI methodologies including data preprocessing, exploratory data analysis, model training, evaluation, and performance optimization.

Worked on model deployment workflows and learned industry best practices for building scalable AI solutions. [Certificate ID: AIINE396]

Java Developer & Cloud Computing Intern | Internship Studio (iStudio)

Aug 2024 – Sep 2024

Implemented Pizza Billing System using Java OOP principles, applying concepts of classes, inheritance, polymorphism, encapsulation, and control structures.

Gained hands-on knowledge of AWS core services including EC2, S3, Lambda, RDS, and IAM; learned cloud architecture design patterns, deployment models, and scalability concepts.

Explored cloud computing fundamentals, security best practices, cost optimization strategies, and migrating applications to cloud infrastructure.

KEY PROJECTS | github.com/Kaja-avinash (25+ Repositories)

- Machine Learning** : Titanic Survival Prediction | Credit Card Fraud Detection | Customer Churn Prediction (Accuracy: 0.86, ROC-AUC: 0.84) | Car Sales Prediction (R²: 0.95) | Iris Flower Classification (96.67%) | Heart Disease Prediction | Employee Salary Prediction
- Artificial Intelligence** : NarrativeNexus — Dynamic AI Text Analysis Platform | Mental Health AI | Gnanadeepti — Agentic Career Counseling Companion
- Computer Vision** : AI Face Recognition System | Real-Time Face Detection | HSV Color Tracking with OpenCV | AI Motion Detection System
- Data Analysis & Business Intelligence** : Global Population Trends Visualization | Road Accident Analysis + Power BI Dashboard | Social Media Trend Analysis | Customer Support Ticket Analysis | DataVista EDA | Revenue Hemorrhage Intelligence Dashboard
- Natural Language Processing & Security** : Text Sentiment Analysis | Network and Port Scanner | File Encryption and Decryption Tool

CERTIFICATIONS

IBM Data Science Professional — Coursera | **Programming in Java** — NPTEL [Silver Medal] | **Power BI for Business** — Microsoft Elevate | **Generative AI** — Google Cloud | **AWS** — AWS Academy | **AWS Cloud Foundations** | **AWS Data Engineering** | **30 Days AI MasterClass** | **Python Programming** — SWAYAM, Dibrugarh University | **Python Essentials 2**