# ESLAVATH VINEETH NAIK

Vijayawada, Andhra Pradesh

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## OBJECTIVE

Computer Science undergraduate specializing in Machine Learning and Data Analytics with hands-on experience building Random Forest models, performing statistical analysis, and deploying real-time ML inference APIs. Seeking Data Science / AI-ML internship roles.

## EDUCATION

**B.Tech in Computer Science and Engineering**, KL University                           2023 – Present
Coursework: Data Structures, DBMS, Machine Learning, Artificial Intelligence, Cloud Computing

## TECHNICAL SKILLS

| | |
|---|---|
| **Programming** | Python, Java, SQL |
| **ML & Analytics** | Random Forest, Classification, Regression, Model Evaluation, ROC-AUC, F1-Score |
| **Data Tools** | Pandas, NumPy, Scikit-learn, ETL, Data Preprocessing |
| **Cloud & DevOps** | AWS, Docker, Kubernetes, REST APIs, Git |
| **Databases** | MySQL, MongoDB |
| **Visualization** | Matplotlib, Seaborn, Power BI |

## PROJECTS

**AI-Based Healthcare Revenue Cycle Prediction System**
Built Random Forest models to predict claim denials (400 claims), payment delays (350 invoices), and no-shows (250 appointments).
Achieved 85% accuracy (0.88 ROC-AUC), improving performance by 20% over manual systems (60–70% baseline).
Reduced RMSE to 0.38–0.43 range; deployed real-time REST APIs with React + Spring Boot + MySQL stack.
Reduced claim validation time by 99% (5–10 mins to instant processing).
Estimated impact: 2.6M–3.7M annual savings, 1M+ denial reduction, 15+ doctor-hours saved weekly.

**LLM Benchmarking for Automated Cloud Deployment**
Developed evaluation framework for LLM-generated Infrastructure-as-Code using Docker and Kubernetes.
Measured deployment accuracy, execution time, and cost efficiency; improved configuration success rate by 18%.
Performed statistical failure analysis to enhance reliability and automation quality.

## INTERNSHIP

**Networking Virtual Internship – Juniper (JNCIA-Junos), 2024**
Worked on routing, network architecture, and infrastructure systems; strengthened distributed systems and cloud deployment fundamentals.

## CERTIFICATIONS

AWS Certified Cloud Practitioner (2025)
Salesforce Certified AI Associate (2025)
MongoDB Certified Developer Associate

## LEADERSHIP & ACTIVITIES

Led a cross-functional team in a Design Thinking & Innovation competition, securing 1st place by developing a data-backed solution through structured problem-solving and analytical decision-making.