

Nakshatra Raghuvanshi

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EDUCATION

VIT Bhopal University

Bachelor of Technology in Computer Science, Minor in Education Technology

Bhopal, Madhya Pradesh

CGPA: 8.14

Oct 2022 – Sept 2026

TECHNICAL SKILLS

Languages: Java, Python, JavaScript

AI/ML: TensorFlow, Scikit-Learn, ML pipeline, Anomaly Detection, Data Preprocessing

Tools & Technologies: Postman, Git, GitHub, REST APIs, Spring Boot, ReactJS

Databases & Cloud: SQL, MongoDB, PostgreSQL, AWS, Cloud Computing

Data Analysis & Visualization: Microsoft Excel, Power BI / Tableau

EXPERIENCE

Software Intern

Nov 2024 – April 2025

AIRDIT Software Services

- Participated in the complete software development lifecycle, including requirement analysis, development, testing, debugging, and deployment of production features.
- Performed data validation and issue analysis using SQL queries and API responses, resolving 95%+ reported bugs and improving system reliability.
- Developed and tested REST APIs used for backend automation and data exchange across application modules.

PROJECTS

ClaimsEase | Java, Maven, Spring Boot, NodeJS, REST API, Angular

Apr 2024 – Aug 2024

- Developed a MediClaim MVC portal enabling users to view policy details, submit insurance claims, and track claim status.
- Designed and implemented four backend microservices (Authorization, Policy, Claim, Member) using Spring Boot, ensuring modularity and secure data handling.
- Wrote SQL queries to support backend operations and analyze claim-related data for system insights.
- Integrated Postman for API testing and documentation; built a responsive Angular frontend for improved user experience.

Microtask Vault | Python, Scikit-learn, Machine Learning Pipelines, Data Processing, REST APIs

Nov 2024 – Dec 2024

- Built a scalable microservices-based platform to distribute large tasks into 100+ microtasks efficiently.
- Implemented machine learning pipelines using Python and Scikit-learn for smart task allocation, sentiment analysis, fraud detection, and quality scoring.
- Performed data preprocessing, feature extraction, and model evaluation to improve task assignment accuracy.
- Designed efficient request processing and modular architecture capable of handling 500+ transactions per second, ensuring system reliability.

Women's Safety Website | Real-time data ingestion & processing, ML Pipeline, React.js, APIs, Firebase

Dec 2023 – Apr 2024

- Built a responsive web platform providing 5+ safety resources, including police station lookup, emergency contacts, and safety guidelines.
- Integrated machine learning models to predict high-risk areas in real-time, enabling proactive safety alerts based on location and incident patterns.
- Optimized API responses, implemented reusable UI components, and conducted testing to ensure consistent performance.

ACTIVITIES AND ACHIEVEMENTS

- Advanced to Round 3 of EY Teachathon by presenting effective technology-driven solutions and showcasing analytical and presentation skills.
- Ranked in the **Top 10% on LeetCode** by solving 300+ DSA problems, improving algorithmic speed by 4x
- Top 500 (Rank 270)** – EricssonEdge Program, showcasing technical excellence and problem-solving capability.
- Certifications & Training: Postman API, HackerRank SQL, Hackerrank Java, Applied Machine Learning in Python, MongoDB Developer, IBM GEN AI.