

Rahul Bhushan Vemula

AI Content Engineer | Java Full Stack Developer | AI & Data Science Graduate
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SUMMARY

AI & Data Science graduate and AI Content Engineer at StudyEasy.org. Build production-grade full-stack applications and integrate applied ML into real-world content pipelines — comfortable from Spring Boot backends to React/Angular frontends to model evaluation and deployment.

EXPERIENCE

AI Content Engineer — StudyEasy.org

May 2026 – Present

Remote

- **Building AI content pipelines** for DubNext.com (AI-powered LMS) — chaining LLMs, voice, video, and translation tools into automated course generation.
- Research and **evaluate AI tools** against a quality bar before integrating them into production teaching workflows; contribute to backend/frontend work.

Java Full Stack Development Intern — IIDT Blackbucks

May 2025 – Jul 2025

Virtual

- Built end-to-end features — login/registration and secure CRUD — using Java, Spring Boot, JavaScript, and React, across frontend and backend.

AI & ML Intern — EduSkills × Google for Developers

Oct 2025 – Dec 2025

10-week program: supervised/unsupervised learning and the end-to-end ML workflow on real datasets.

Machine Learning Intern — NIELIT

Jun 2023 – Aug 2023

Full ML lifecycle — data collection, feature engineering, training, deployment — in Python, Pandas, Matplotlib.

PROJECTS

Anomaly-Based Video Forgery Detection (Deepfake)

2025 – 2026

- Convolutional Autoencoder + LSTM trained on real videos only — anomaly detection that generalises to unseen fakes; deployed as a Flask app. *Python, TensorFlow, OpenCV, Flask.*

Online Banking System

Jun 2024

- Secure banking app — transfers, deposits, transaction history — with JWT role-based access for customer and admin dashboards. *Java, Spring Boot, Spring Security, React, MySQL.*

Hospital Management Platform

Jun 2025

- Unified patient/doctor/admin workflows — scheduling, EHR — with Spring Security role-based access and an Angular UI. *Java, Spring Boot, Angular, MySQL.*

MediTrack — SMS Notification System

Mar 2025

- Spring Boot backend delivering verified automated SMS alerts via Twilio — appointment reminders, medicine, and emergency notifications. *Java, Spring Boot, Twilio, REST.*

Facial Recognition Attendance System

Dec 2025

- Real-time face-recognition attendance via LBPH on OpenCV, with hybrid MySQL + MongoDB storage. *Python, OpenCV, MySQL, MongoDB.*

EDUCATION

SRKR Engineering College, Bhimavaram

Nov 2022 – Apr 2026

B.E. in Artificial Intelligence & Data Science — CGPA: 8.36 / 10

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, SQL, R, HTML/CSS

Frameworks: Spring Boot, Spring Security, Hibernate/JPA, REST APIs, React.js, Angular

Data & ML: TensorFlow/Keras, scikit-learn, Pandas, NumPy, OpenCV, Flask

Databases & Tools: MySQL, PostgreSQL, MongoDB • Git, Docker, Kubernetes, AWS, Postman, Maven

CERTIFICATIONS

Full Stack Java Developer (Udemy) • AI & Machine Learning (Udemy) • Programming with R (NPTEL)