

VINAYAK RAJPUT

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EDUCATION

Bangalore Institute of Technology

Bachelor of Engineering – Computer Science & Engineering; CGPA: 9.03

Alma Mater Senior Secondary School

12th Percentage: 93.6 %

10th Percentage: 96.2 %

Bengaluru, India

November 2022 - Present

Bareilly, India

2021

2019

SKILLS SUMMARY

- Languages and Frameworks:** Java, Python (Flask, Pandas, NumPy), SQL (MySQL).
- Cloud & Tools:** AWS (EC2, S3), Google Cloud, Git/GitHub, Maven, Docker.
- Core Competencies:** Full Stack Development, Cyber Security, SDLC, Machine Learning.

WORK EXPERIENCE

PYTHON DEVELOPER INTERN | IntrnForte

Nov 2023 – Jan 2024

- Developed dynamic web applications using **Python (Flask)**, focusing on efficient data flow between backend logic and frontend dashboards.
- Designed algorithmic modules for data validation and string manipulation, improving application logic efficiency.

PROJECTS

Automated Phishing Data Pipeline | Python, Data Processing, Weak Supervision | [LINK](#) Sept 2025 - Present

- Engineered an end-to-end **data ingestion pipeline** to source and analyze candidates from real-time Certificate Transparency logs.
- Implemented a **weak supervision system** to auto-label 5,000+ domains, automating the classification of unstructured data into structured risk categories.
- Utilized feature-based heuristics to clean and validate large-scale datasets for model training.

Deepfake Detection & Data Integrity Log | Python, CNN, Blockchain | [LINK](#)

Mar 2025 – Dec 2025

- Created a video analysis system with **frame-level confidence scoring**, translating visual data into quantifiable reliability metrics.
- Integrated an immutable ledger (Blockchain) to audit detection results, ensuring data integrity and traceability.

Sentimo: Customer Sentiment & Analytics Engine | Python, Flask, LSTM | [LINK](#)

Oct 2024 – Feb 2025

- Developed an AI-powered analysis tool processing **50,000+ text samples** to quantify user sentiment, directly applicable to gauging brand health and product feedback.
- Achieved **87% accuracy** using LSTM neural networks, demonstrating capability in predictive modelling and pattern recognition & deployed a real-time inference API using Flask for live feedback tracking.

Electricity Billing & Revenue Management System | Java, SQL | [LINK](#)

Apr 2025 – May 2025

- Designed a centralized database for billing operations, reducing manual processing time through **automated data retrieval**.
- Optimized complex **SQL queries** to handle transaction records, achieving 99% system uptime and ensuring data accuracy for admin reporting.
- Implemented role-based access control (RBAC) to segment data views between administrators and end-users.

CERTIFICATES

Ethical Hacking (NPTEL) | [CERTIFICATE](#)

Oct 2025

Juniper Security Associate Certification (JNCIA - SEC) | [CERTIFICATE](#)

Aug 2025

Google Cloud Cybersecurity | Google | [CERTIFICATE](#)

Oct 2025

Google Cloud Computing Foundations | Google | [CERTIFICATE](#)

May 2025

Google Cybersecurity Certification (Google) | [CERTIFICATE](#)

Sept 2024

AWS & DevOps | Cloud Institution | [CERTIFICATE](#)

July 2024