

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:** Java, SQL, Python, JavaScript, HTML, CSS
- **Frameworks:** Spring Boot, Hibernate, RESTful APIs, Flask, React.js, Bootstrap
- **Databases:** MySQL, SQLite, MongoDB
- **Tools:** Maven, Git, GitHub, Visual Studio Code, IntelliJ IDEA
- **Fundamentals:** Data Structures & Algorithms, OOPs, Computer Networks, DBMS

WORK EXPERIENCE

PYTHON DEVELOPER INTERN | [IntrnForte](#)

November 2023 – January 2024

- Developed and deployed web-based applications using the Flask framework, bridging backend Python logic with frontend user interfaces.
- Designed algorithmic solutions for interactive applications (including a Random Password Generator), focusing on efficient string manipulation and logic flow.
- Enhanced user interaction by designing intuitive interfaces and ensuring smooth application functionality through local testing and debugging.

PROJECTS

Phishing Detection | [LINK](#)

July 2025 - Present

- Working on an end-to-end phishing detection pipeline in Python, with a data pipeline to source phishing candidates from real-time Certificate Transparency logs and a custom typosquatting generator.
- Implemented a weak supervision system to auto-label 5,000+ domains using feature-based heuristics, bootstrapping model training.

Electricity Bill Management System | [LINK](#)

April 2025 – May 2025

- Engineered a Java-based billing platform, reducing manual bill processing time
- Implemented role-based access control to enhance security for admin and customer portals.
- Optimized MySQL queries, achieving 99% uptime and faster response.

Deepfake Images & Videos Detection | [LINK](#)

March 2025 – Present

- Developing a hybrid system for image/video deepfake detection using CNN-based models with frame-level analysis and confidence scoring.
- Implemented blockchain logging via Ethereum smart contracts to ensure tamper-proof, auditable records of detection results.

Windows Media Player Application | [LINK](#)

May 2024 – July 2024

- Created a media player supporting 500+ tracks with <0.5s load time.
- Added playlist and album management features, increasing user engagement by 30%.

CERTIFICATES

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

October 2025

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

August 2025

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

May 2025

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

September 2024

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

July 2024

Introduction to Machine Learning (NPTEL) | [CERTIFICATE](#)

April - June 2024

Design and Analysis of Algorithms (Udemy) | [CERTIFICATE](#)

July 2023