

# Rohith Varma Datla

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## Summary

Passionate about **web development, security, and AI/ML**, with expertise in **building scalable applications and detecting vulnerabilities**. Awarded **scholarships for Black Hat Asia and BSides**. Currently **learning cloud computing and DevOps** to enhance performance and security in modern web applications.

## Skills

**Programming Languages:** C + +, Python, JavaScript, TypeScript, SQL

**Frameworks/Libraries:** React, Next.js, Node.js, Express, Tailwind CSS

**Databases:** MongoDB, PostgreSQL

**Tools:** Docker, Git, Burp Suite, Linux, Google Cloud

## Experience

**Team Lead / CTF Player (r0h17h), Team bi0s – Amritapuri, India** April 2023 – Present

- Leading a team of 20 in CTF competitions and Hack The Box events, specializing in web security and containerized deployments.
- Mentoring junior members and fostering a collaborative team culture in web security.
- Conducting code reviews to identify vulnerabilities and develop exploitation strategies.

**Challenge Author, Traboda CyberLabs – Amritapuri, India** March 2024 - May 2024

- Designed intricate challenges for national-level CTF competitions, incorporating real-world security scenarios.
- Authored a critical challenge for NCIIPC Pentethon 2024, completed by only 3 out of 100+ teams.
- Developed and deployed boot2root machines using **Docker** for an AI-based GPT security testing system in collaboration with an Israel-based company.
- Containerized CTF applications with **Docker** and deployed them on cloud platforms, ensuring scalability and security.

## Projects

**Wine Quality Prediction – Scikit-learn | Pandas | NumPy** Sept 2024 - Dec 2024

- Analyzed three different wine quality datasets and identified key data trends using **Pandas** and **NumPy**.
- Implemented multiple machine learning models: **Random Forest (Bagging)**, **Gradient Boosting (Boosting)**, and **SVM (Linear Model)** to compare predictive performance.
- Preprocessed data using feature scaling and encoding techniques, improving model accuracy and performance evaluation.

**SecureShare – Mongo | Express** Sept 2024 - Dec 2024

- **Implemented end-to-end file encryption and decryption** using **AES-256**, ensuring secure file sharing and storage.
- **Secured AES keys by encrypting them with the user's RSA public key** and stored them in the database, allowing file access exclusively for the intended recipient.
- **Utilized JWT for authentication and authorization**, ensuring that only authenticated users can access and decrypt files.

**StudyNotion – EdTech Platform - [Live] – Mongo | Express | React | NodeJs | Redux** Aug 2024 - Sept 2024

- **Developed a full-stack EdTech platform** enabling instructors to create/manage courses with secure payments via **Razorpay API**.

- **Integrated Chart.js** to visualize course performance and employed **Redux** for efficient state management.
- **Built responsive UI components** using **React**, ensuring cross-device compatibility.

## Education

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**Amrita Vishwa Vidyapeetham**, BTech in Computer Science Engineering Nov 2022 – May 2026

- CGPA: 8.58/10

• **Coursework:** Database Management System, Operating Systems, Data Structures and Algorithms, HTML,CSS, Problem Solving and Algorithm development, Relational Databases, Object Oriented Programming, Web Development, Design and Analysis of Algorithms,Machine Learning

**Fiitjee Junior College**, MPC May 2020 – May 2022

- APBIE Percentage: 90%

**KKR Gowtham EM High School** April 2020

- CBSE percentage: 90. 2%

## Community Outreach

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**Recruitment Lead, Team bi0s Pentest** July 2024 – Oct 2024

- Led the recruitment process by developing a dedicated website and hosting cybersecurity challenges.
- Organized and conducted workshops on Linux fundamentals and penetration testing.

**Team Lead, Student Social Responsibilities, CIR Amrita Vishwa Vidyapeetham** Sept 2024 – Oct 2024

- Led cybersecurity awareness sessions for high school students, focusing on phishing attacks and cyber threats.
- Coordinated interactive sessions to educate students on cybersecurity best practices.
- Conducted surveys in schools to assess awareness and identify vulnerabilities to phishing attacks.

## Achievements

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Solved **300+ problems** on LeetCode, proficient in DSA and problem solving.

Awarded scholarship to attend **BlackHat Asia 2024**, Singapore.

Achieved **3rd place** in **BSides Mumbai CTF 2024**.

**Platinum Tier** in HackTheBox Season-IV.

## Certifications

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Google Cloud Computing Foundations: Cloud Computing Fundamentals

Kubernetes for Beginners – KodeKloud

Purple Teaming Fundamentals – CyberWarFare Labs

Python BootCamp – Udemy