

RESHMA BANU

ASPIRING SOFTWARE ENGINEER

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SUMMARY

Data Science & AI Enthusiast

Computer Science (Data Science) student at VIT with expertise in AI, blockchain security, and data analytics. Currently working on real-time anomaly detection in cryptocurrency transactions using GNNs, HMMs, and Bayesian Change-Point Detection. Skilled in Python, Java, SQL, and Tableau, with a passion for AI, cybersecurity, and fintech innovation. Always eager to learn and collaborate!

TECHNICAL SKILLS

- Programming Languages: Python, Java, C, C++
- Web Development: HTML, CSS, JavaScript
- Databases: SQL (MySQL, PostgreSQL, MongoDB, etc.)
- Data Visualization & Analytics: Tableau, Canva

EXPERIENCE

Real-Time Anomaly Detection for Cryptocurrency Transactions Jan 2025 - Present

- Developed a system using Graph Neural Networks (GNNs) and Hidden Markov Models (HMMs) to detect fraud in cryptocurrency transactions.
- Focused on implementing real-time anomaly detection techniques and evaluating performance across multiple blockchains.

EDUCATION

Vellore Institute of Technology (VIT) Aug 2023 - Jun 2027

B.Tech in Computer Software Engineering (Data Science)

- Thesis on "Technological Advancements within the current Mechatronics Industry".

Chennai Higher Secondary School Jun 2021 - Apr 2023

Engineering University

- Relevant coursework in Structural Design and Project Management.

ADDITIONAL INFORMATION

- **Languages:** English, Hindi, Urdu, Tamil
- **Certifications:**

Microsoft Azure AI – Issued by LinkedIn, Sep 2023

Skills: Microsoft Azure AI, Python Quick Start

Interview Preparation & Python – Issued by LinkedIn, Sep 2023

Skills: Interview Preparation, Python (Programming Language)

- **Awards/Activities:**

Bhumi NGO STEMM Education Support Program Scholar – Awarded a scholarship of ₹8000 for academic excellence.

School Topper (12th Grade) – Achieved the highest score in 12th-grade board exams.