



# DHANUSH J

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## EDUCATION AND TRAINING

Bachelor of Engineering,

November 2022 - May 2026

M.S. RAMAIAH INSTITUTE OF TECHNOLOGY, Bengaluru, Karnataka

- COMPUTER SCIENCE AND ENGINEERING
- SPECIALIZATION IN CYBER SECURITY

## RELEVANT COURSEWORK

- Computer Science
- Cyber Security
- Database Management System
- Cloud Computing
- Management and Entrepreneurship
- Data Structures and Algorithms
- Operating Systems
- Secure Coding
- Artificial Intelligence
- Big Data Analytics
- Software Engineering
- Project Management
- Data Science
- Full Stack Web Development
- Machine Learning
- Generative AI
- Advanced Computer Networks

## SUMMARY

Computer Science Engineering student (Batch 2026) specializing in Cybersecurity, with a strong foundation in software engineering, data structures, algorithms, and system design. Proficient in C, C++, Python, Java, and JavaScript, with hands-on experience in full-stack web development, cloud technologies (AWS), and DevOps tools like Docker and Git. Successfully built scalable, secure applications and contributed to real-world projects involving AI, IoT, and blockchain. Completed internships in web development, cybersecurity, and UI/UX design with a focus on performance, security, and user experience. Seeking to apply my skills and passion for innovation in a challenging role at Qualcomm as an Associate Engineer or Intern, contributing to impactful software solutions in a collaborative environment.

## SKILLS

**PROGRAMMING LANGUAGES :** C | C++ | Java | Python | Swift | PHP | Shell Scripting | SQL | TypeScript | Go

**WEB DEVELOPMENT :** HTML | CSS | JavaScript | Node.js | Express.js | PHP | Django | Flask | MERN Stack |

LAMP Stack | RESTful API & GraphQL Development

**FRAMEWORKS & LIBRARIES:** React.js | Vue.js | Bootstrap | Tailwind CSS | Laravel

**TOOLS:** Git | GitHub | VS Code | Docker | Figma | Power BI

**DATABASES:** MySQL | MongoDB

**CLOUD & DEVOPS:** AWS (EC2, S3, Lambda) | Docker

**OPERATING SYSTEMS:** Linux (Ubuntu, Kali Linux) | Metasploit | Windows | macOS

**CYBERSECURITY & NETWORKING:** Penetration Testing | Network Security & Protocols | Cryptography |

Firewalls & Intrusion Detection Systems

**EMBEDDED SYSTEMS & IoT:** Arduino | Raspberry Pi

**MOBILE APP DEVELOPMENT:** Android (Flutter) | iOS (Swift)

**SOFT SKILLS:** Problem-Solving | Algorithmic Thinking | Leadership | Team Collaboration | Public Speaking | Agile Methodologies

## CERTIFICATIONS

**Google Cloud Career Launchpad - Cybersecurity Track**

May 21, 2025

Issued by: [Google Cloud](#)

**Machine Learning Fundamentals**

May 9, 2025

Issued by: [Infosys Springboard](#)

**AWS Academy Graduate - AWS Academy Cloud Foundations**

May 6, 2025

Issued by: [AWS Academy](#)

**Spark SQL & Hadoop(For Data Science)**

December 2024 - February 2025

Instructor - Matthew Barr | Issued by : [Udemy](#)

## PROJECTS

### CryptaNet: Privacy-Preserving Explainable AI for Supply Chain Anomaly Detection on a Permissioned Blockchain

April 2025 - July 2025

- Developed secure supply chain monitoring system using Hyperledger Fabric permissioned blockchain
- Implemented Isolation Forest ML algorithm achieving real-time anomaly detection and automated threat identification
- Created SHAP-based explainable AI layer providing transparent, human-readable explanations for detected anomalies
- Ensured data privacy through AES and SHA-256 cryptographic operations
- Built full-stack solution with React.js dashboard and Python/Flask backend
- Developed Go smart contracts enabling immutable transaction logging
- Facilitated collaborative threat intelligence sharing across supply chain partners

### HoneyChain: IoT Honeypot with Blockchain-Verified Threat Intelligence

March 2025 - May 2025

- Built distributed IoT honeypot network using ESP32 devices to emulate vulnerable IoT devices
- Captured real-time attack vectors with 85% classification accuracy
- Implemented blockchain-based immutable logging system for tamper-proof threat intelligence sharing
- Enhanced data integrity across organizations through blockchain verification
- Developed AI/ML models using Python and TensorFlow for automated threat pattern analysis
- Created predictive attack detection system on blockchain-verified data

### Intelligent Driver Monitoring System

January 2025 - February 2025

- Built real-time web application using computer vision and machine learning
- Monitored driver alertness through eye-tracking and head position analysis
- Implemented solution using Python, OpenCV, and TensorFlow
- Developed real-time alertness detection algorithms
- Created user-friendly interface for monitoring results

### Innovative Web Compiler

January 2025 - March 2025

- Designed online code compiler supporting multiple programming constructs
- Developed lexical analysis and syntax parsing components
- Implemented AST generation and runtime interpretation
- Integrated real-time error detection and feedback system
- Enhanced coding experience through intuitive user interface
- Built using TypeScript and React.js for robust performance

## AWARDS AND RECOGNITIONS

### Star Performer Award - OASIS INFOBYTES Internship - verify

October 2024

### India Book of Records(Under the category World's Largest and Fastest Painting)

December 2018

### State Award - Visual Art

May 2016

## INTERNSHIPS

### Octanet Services Pvt. Ltd. - verify

September 2024 - November 2024

- Developed full-stack web applications using HTML, CSS, JavaScript, Node.js, Express.js
- Managed databases with MongoDB, MySQL and optimized API integration
- Focused on responsive web design, debugging, and version control (Git, GitHub)

### Oasis Infobyte - AICTE OIB-SIP - verify

September 2024 - October 2024

- Specialized in Web Development & UI/UX Design
- Gained experience in front-end & back-end technologies, project management, and problem-solving
- Recognized as a Star Performer for contributions to web development projects

### CodeVertex - verify

June 2024 - August 2024

- Developed secure web applications and implemented UI/UX optimizations
- Conducted penetration testing, vulnerability assessments, and cybersecurity implementations
- Worked on data security strategies, encryption, and access control

### Skill Lab Internship - MSRIT - IOS Mobile App Development

May 2023 - July 2023

- Worked on building and improving iOS apps using Swift and Xcode, focusing on smooth performance and a better user experience across both iPhone and iPad.
- Added key features like API-based data fetching, secure login, and local data storage (Core Data/SQLite), which helped reduce crashes and speed up app load time.
- Improved UI designs, fixed bugs, and supported the App Store release process, making the app more responsive.

## **LANGUAGES**

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- **English** (Fluent)
- **Kannada** (Fluent)
- **Hindi** (Fluent)

## **CONNECT:**

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**LinkedIn :** <https://www.linkedin.com/in/dhanush-j-a976ab26b>

**GitHub :** <https://github.com/Dhanushj213>

**Portfolio :** [https://portfolio-tawny-nine-1d4s9pnkdr.vercel.app/?\\_vercel\\_share=JzVF0Rnc5vPbQZCBhntGfS4k2nDqnIb7](https://portfolio-tawny-nine-1d4s9pnkdr.vercel.app/?_vercel_share=JzVF0Rnc5vPbQZCBhntGfS4k2nDqnIb7)

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