



DHANUSH J

[LinkedIn](#) | [GitHub](#)
[Portfolio](#)

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EDUCATION AND TRAINING

Bachelor of Engineering,
M.S. RAMAIAH INSTITUTE OF TECHNOLOGY, Bengaluru, Karnataka
November 2022 - May 2026

- 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 Intellegence
- 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 Issued by: Google Cloud	May 21, 2025
Machine Learning Fundamentals Issued by: Infosys Springboard	May 9, 2025
AWS Academy Graduate - AWS Academy Cloud Foundations Issued by: AWS Academy	May 6, 2025
Spark SQL & Hadoop(For Data Science) Instructor - Matthew Barr Issued by : Udemy	December 2024 - February 2025

PROJECTS

CryptaNet: Privacy-Preserving Explainable AI for Supply Chain Anomaly Detection on a Permissioned Blockchain	April 2025 - July 2025
<ul style="list-style-type: none">Developed secure supply chain monitoring system using Hyperledger Fabric permissioned blockchainImplemented Isolation Forest ML algorithm achieving real-time anomaly detection and automated threat identificationCreated SHAP-based explainable AI layer providing transparent, human-readable explanations for detected anomaliesEnsured data privacy through AES and SHA-256 cryptographic operationsBuilt full-stack solution with React.js dashboard and Python/Flask backendDeveloped Go smart contracts enabling immutable transaction loggingFacilitated collaborative threat intelligence sharing across supply chain partners	
HoneyChain: IoT Honeypot with Blockchain-Verified Threat Intelligence	March 2025 - May 2025
<ul style="list-style-type: none">Built distributed IoT honeypot network using ESP32 devices to emulate vulnerable IoT devicesCaptured real-time attack vectors with 85% classification accuracyImplemented blockchain-based immutable logging system for tamper-proof threat intelligence sharingEnhanced data integrity across organizations through blockchain verificationDeveloped AI/ML models using Python and TensorFlow for automated threat pattern analysisCreated predictive attack detection system on blockchain-verified data	
Intelligent Driver Monitoring System	January 2025 - February 2025
<ul style="list-style-type: none">Built real-time web application using computer vision and machine learningMonitored driver alertness through eye-tracking and head position analysisImplemented solution using Python, OpenCV, and TensorFlowDeveloped real-time alertness detection algorithmsCreated user-friendly interface for monitoring results	
Innovative Web Compiler	January 2025 - March 2025
<ul style="list-style-type: none">Designed online code compiler supporting multiple programming constructsDeveloped lexical analysis and syntax parsing componentsImplemented AST generation and runtime interpretationIntegrated real-time error detection and feedback systemEnhanced coding experience through intuitive user interfaceBuilt 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
<ul style="list-style-type: none">Developed full-stack web applications using HTML, CSS, JavaScript, Node.js, Express.jsManaged databases with MongoDB, MySQL and optimized API integrationFocused on responsive web design, debugging, and version control (Git, GitHub)	
Oasis Infobyte - AICTE OIB-SIP - verify	September 2024 - October 2024
<ul style="list-style-type: none">Specialized in Web Development & UI/UX DesignGained experience in front-end & back-end technologies, project management, and problem-solvingRecognized as a Star Performer for contributions to web development projects	
CodeVertex - verify	June 2024 - August 2024
<ul style="list-style-type: none">Developed secure web applications and implemented UI/UX optimizationsConducted penetration testing, vulnerability assessments, and cybersecurity implementationsWorked on data security strategies, encryption, and access control	
Skill Lab Internship - MSRIT - IOS Mobile App Development	May 2023 - July 2023
<ul style="list-style-type: none">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

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

CONNECT:

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

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

Portfolio : https://portfolio-tawny-nine-1d4s9pnkdr.vercel.app/?vercel_share=JzVF0Rnc5vPbQZCBhntGfS4k2nDqnlb7

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