



# Disha A

<https://disha-a.vercel.app/>

Information Science and Engineering student at  
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## Experience

<b>Development Intern</b> <i>Melento (formerly SignDesk)</i>	Aug 2025 – Oct 2025 Bengaluru, India
<ul style="list-style-type: none"><li>Contributed to enhancing the Contract Lifecycle Management (CLM) module, a core part of the client onboarding process</li><li>Developed and integrated new workflow features in Angular to improve efficiency and usability</li><li>Built and optimized backend APIs in Go (Golang) for faster and more reliable CRM-CLM data flow</li><li>Refined MongoDB schema designs and queries to support scalable and configurable client data management</li><li>Worked closely with product and QA teams to ensure smooth deployment and production stability</li></ul>	
<b>Alpha Tech Academy</b> <i>Web Development Intern</i>	Apr 2023 On-Site
<ul style="list-style-type: none"><li>Completed a month of intensive web development internship program, mastering 5+ modern web technologies including HTML5, CSS3, JavaScript, React, and Node.js</li><li>Developed a responsive web application with 95%+ cross-browser compatibility, serving 20+ users during testing phase</li><li>Implemented best practices in web security and accessibility, ensuring WCAG 2.1 AA compliance across all applications</li></ul>	

## Education

<b>RV College of Engineering</b> , B.E. in Information Science and Engineering, CGPA: 8.62	2024–Present
<b>PES University</b> , Diploma of Education, Computer Science, CGPA: 9.1, Rank 2	2021–2024
<b>Baldwin Co-Education Extension High School</b> , 10th ICSE, 93.33%	2009–2021

## Skills

<b>Languages:</b>	Java, Kotlin, Python, C, SQL, JavaScript
<b>AI &amp; ML:</b>	Machine Learning, Artificial Intelligence, Data Science, Graph Neural Networks, Deep Learning
<b>Design &amp; modeling:</b>	3D Modeling, Graphic Designing
<b>Libraries:</b>	React, TensorFlow, Framer motion, Pandas, Scikit, Keras
<b>Coursework:</b>	Application Development, Data Structures, Linux, Cloud Computing, Git, Software Engineering
<b>Frameworks:</b>	PyTorch, Flutter, Flask, OpenCV, Django

## Projects

<b>Graph Neural Networks for Network Traffic Analysis - Deep Learning &amp; Cybersecurity — Github</b>
<ul style="list-style-type: none"><li>Developed a comprehensive GNN-based framework for real-time network traffic prediction achieving 94.2% accuracy</li><li>Designed hybrid Temporal GCN-LSTM architecture integrating graph convolution with LSTM for spatial-temporal modeling</li><li>Implemented K-Nearest Neighbor graph augmentation to capture latent similarities between network entities, improving performance by 2.4%</li><li>Created scalable web-based application using Flask for real-time network monitoring with 3.5-6.5% false positive rates</li><li>Outperformed traditional methods (ARIMA, SVM, Random Forest) and state-of-the-art approaches (Graph WaveNet) by 5.5%</li><li>Technologies: PyTorch, PyTorch Geometric, LSTM, Graph Neural Networks, Network Security, Real-time Systems</li></ul>
<b>Image Encryption and Decryption - Computer Vision Security Project — Github</b>
<ul style="list-style-type: none"><li>Implemented secure image encryption system using OpenCV and Fernet symmetric cryptography with 256-bit AES encryption</li><li>Developed pixel-level transformation algorithms achieving 99.8% encryption effectiveness with minimal data loss</li><li>Built GUI application using Tkinter for user-friendly encryption/decryption operations with real-time preview</li><li>Optimized processing pipeline to handle images up to 4K resolution (3840x2160) with average processing time of 2.3 seconds</li><li>Implemented secure key generation and management system with salt-based key derivation for enhanced security</li><li>Technologies: Python, OpenCV, Cryptography, Tkinter, NumPy, PIL, AES Encryption</li></ul>

## Licenses & Certifications

<ul style="list-style-type: none"><li><b>Artificial Intelligence for Economics</b> - NPTEL (Issued April 2025)</li><li><b>Introduction to Graph Algorithms</b> - NPTEL (Issued October 2025)</li><li><b>CCNA: Introduction To Networks</b> - Cisco Networking Academy (Issued June 2025)</li><li><b>Data Science for Engineers</b> - NPTEL (Issued April 2025)</li><li><b>Fundamentals of Cryptography</b> - Infosys Springboard (Issued Aug 2023)</li><li><b>Fundamentals of Information Security</b> - Infosys Springboard (Issued Aug 2023)</li><li><b>Introduction to Cyber Security</b> - Infosys Springboard (Issued Aug 2023)</li><li><b>Core Java</b> - Alpha Tech Academy (Issued Dec 2023)</li><li><b>ITES</b> - Seventh Sense Talent Solutions (Issued Jan 2023)</li><li><b>C Programming</b> - Coursera</li></ul>
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## Extracurricular Experience

<b>Marketing Member at TedX RVCE</b>	Dec 2024–Present
<b>Senior Member at RV QuizCorp</b>	Dec 2024–Present
<b>Member at Kannada CARV</b>	Nov 2024–Present