

Education & Certificates

- B.Tech in Computer Science and Engineering (IoT), Vellore Institute of Technology, Expected Graduation 2027
- Oracle Cloud Infrastructure 2025 Certified Generative AI Professional
- Anthropic Introduction to Model Context Protocol Certification

Work History, Projects, Internships

Network Engineering Intern, Jio Platforms Limited

June 2025 to July 2025

- Completed internship focused on Study and Support of 4G/5G Network Deployment working with telecommunications infrastructure and network optimization algorithms
- Applied data structures and algorithms to analyze network performance data and implemented solutions for 4G/5G network deployment optimization using Python and Java
- Collaborated with cross-functional engineering teams to support network infrastructure projects implementing software development best practices for data analysis and system monitoring
- Gained hands-on experience with telecommunications protocols, network architecture design, and performance testing methodologies in production environment

Claude CLI-based MCP Tool

Personal Project, 2024

- Developed command-line interface tool utilizing Claude's Model Context Protocol for AI interaction and automation workflows integrating data structures and algorithms for efficient processing
- Implemented object-oriented programming principles in Python to create modular and scalable architecture supporting multiple workflow automations using software design patterns
- Applied software development best practices including version control with Git and GitHub for collaborative development and code management with debugging and testing

Task Tracker Website

Web Development Project, 2024

- Built responsive task management web application using HTML5, CSS3, JavaScript, and Tailwind CSS implementing data structures for task organization and sorting algorithms for priority management
- Designed and developed frontend user interface with modern UI/UX principles ensuring cross-browser compatibility and mobile responsiveness using problem-solving skills
- Utilized JavaScript for dynamic functionality including real-time task updates, local storage management, and interactive user experience features with computational thinking

Dating Website - DevSoc25 CodeChef Hackathon

Team Project, 2024

- Collaborated with cross-functional team to develop dating platform frontend implementing algorithms for user matching and data filtering systems using object-oriented programming
- Responsible for frontend development using HTML5, CSS3, and JavaScript creating intuitive user interface with responsive design principles and software engineering best practices
- Applied problem-solving skills to optimize user experience through efficient data handling and interactive features during 48-hour hackathon timeframe using algorithm design

n8n AI Agent Automation

Current Project, 2024 to Current

- Currently developing AI agent automation system using n8n workflow automation platform implementing machine learning frameworks and cloud computing principles with Azure
- Integrating multiple APIs and services using Python and JavaScript to create automated workflows for data processing and analysis with SQL database management
- Applied software engineering principles to design scalable automation solutions with focus on performance optimization and error handling using debugging and testing methodologies

Technical Skills

Programming Languages: Python, Java, C++, JavaScript, HTML5, CSS3

Data Structures & Algorithms: Search algorithms, sorting algorithms, time complexity analysis, object-oriented programming

Web Development: Frontend development, Node.js basics, Tailwind CSS, responsive design

Tools & Technologies: Git, GitHub, SQL, Azure, Cloud Computing, Machine Learning Frameworks

Software Development: Version control, debugging, testing, software design patterns, engineering best practices

Problem Solving: Algorithm design, computational thinking, system design, requirement analysis

Coursework

- Data Structures and Algorithms: Search and sort algorithms, time complexity analysis, algorithmic problem solving
- Web Development: Frontend and backend technologies, database management, full-stack development principles
- Object-Oriented Programming: Design patterns, software architecture, code optimization and debugging techniques