

# Chilveri Srujan Kumar

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## EDUCATION

**Manipal Institute of Technology (MIT), Bengaluru, India**

**Bachelor of Technology (BTech), Honors. Computer Science Engineering**

September 2022 – May 2026

- **CGPA:** 8.77/10.0
- **Specialization:** Cybersecurity, **Minor:** Computational Intelligence
- **Relevant Coursework:** Data Structures, Algorithms, Operating Systems, Database, Computer Networks, Computer Organization & Architecture, Artificial Intelligence, Machine Learning, Cybersecurity, Cryptography.

## SUMMARY

Final-year Computer Science undergraduate with a strong foundation in software development, DevOps, cloud technologies, and cybersecurity. Experienced in building scalable systems, automating deployment pipelines and applying machine learning tools across academic and real-world problems. Brings proven project and internship experience across multiple domains, along with strong academic background. Seeking full-time roles or internships opportunities with growth potential in dynamic, tech-driven environments.

## SKILLS OVERVIEW

**Languages:** C, Java, Go, Python, SQL, ARM Cortex 7(Assembly- LPC1768).  
**Tools & Technologies:** Git, Docker, Kubernetes, AWS, GitHub Actions, Jenkins, Trivy, Terraform, Wireshark, Nmap, Scikit-learn, AnyLogic.  
**Soft Skills:** Problem Solving, Analytical Thinking, Teamwork, Public-Speaking, Adaptability.

## EXPERIENCE

**Airbus, Bengaluru, India**

**Software Engineer Intern (On-site)**

July 2025 – Present

- Developing modular Java libraries in AnyLogic to build scalable and maintainable simulation components, enhancing code reusability and reducing simulation development time.
- Contributing to the full software development lifecycle, including design, implementation and testing of simulation tools that optimize Airbus manufacturing systems.

**Cazelabs, Bengaluru, India**

**DevOps Intern (Hybrid) – Open Source (Under IOS-MCN)**

May 2024 – May 2025

- Deployed 3+ CI/CD pipelines using GitHub Actions, optimizing Docker builds and reducing deployment time by 90%.
- Reviewed, optimized, and debugged complex Dockerfiles, resolving 95%+ containerization issues and ensuring reliable deployments.
- Built CI pipelines for multi-org GitHub repos, adding root-level and context-specific test to improve integration and performance.

## PROJECTS

**EC2Ship: Cloud-Native CI/CD Deployment with AWS & EC2**

March 2025 – April 2025

- Automated 3-stage CI/CD pipeline using 6+ AWS services (CodePipeline, CodeBuild, CodeDeploy, CodeArtifact, IAM, CloudFormation) to enable zero-touch deployment from GitHub to EC2.
- Implemented secure cloud-native delivery with integrated package management and infrastructure-as-code, achieving live deployments in under 5 minutes per code push.

**StegNet: Modular Network Steganography Framework**

Feb 2025 – April 2025

- Deployed a Python-based CLI toolkit for encrypted data transmission using network steganography over TCP, ICMP, DNS, and HTTP, leveraging Scapy for packet crafting and AES-256 for secure encoding and decoding.
- Developed protocol-specific obfuscation and traffic analysis features (send/receive/analyze), reducing detection rates by 60% and showcasing expertise in network security, packet manipulation, and CLI.

## ACADEMIC ENGAGEMENT (RESEARCH PAPERS)

- Optimizing SVM Classifiers for Imbalanced Data: A Machine Learning Perspective Ongoing
- Effective Electrical Load Balancing Using RNNs Feb 2025 – May 2025
- Phishing Attack Detection in Ethereum Transactions with PCA- Enhanced Machine Learning (ICETCI- 2025) June 2024 – Nov 2024

## KEY CERTIFICATIONS

- Cisco CCNA: Introduction to Networks Scope and Sequence | Networking Academy July 2025
- PwC Launchpad: Cybersecurity, Python, Prompt Engineering | PwC Acceleration Centers July 2025
- Cloud Computing Fundamentals | IBM Skill Build May 2025
- Google Cybersecurity (Foundations, Assets, Threats and Vulnerabilities) | Google- Coursera March 2025
- Docker, Kubernetes, Ansible Hands-on (3 Certifications) | KodeKloud June 2024 – Feb 2025

## EXTRACURRICULARS

- College Roles: Null-OWASP (Executive Member), IEEE-GRSS (Executive Head), Placement Committee (PCOM) Member, E-Cell (Sponsorship Head), Aadyant Newsletter (Managing Editor), Avalokana Magazine (Media Head).
- Interned under the founder of SSOSEC as a Network intern, designed and implemented efficient TCP client-server program in C.
- Interned at Samridhhi Trust as an on-site learning facilitator helping 500+ underprivileged children with English, Math and cognitive skills.
- Achieved athletic excellence, leading my teams to 25+ victories in both football and basketball at school, college and club levels.