

Abhijeet Kulkarni

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EDUCATION

Manipal Institute of Technology

B.Tech in Computer Science and Engineering (CGPA: 8.70)

Bengaluru, India

Expected 2027

EXPERIENCE

Web Developer Intern

Infosys Springboard

July 2025 – Oct. 2025

Remote

- Developed a web-based platform connecting NGOs with volunteers, enabling efficient posting and management of opportunities.
- Implemented role-based authentication with separate login systems for NGOs and volunteers to ensure secure, personalized access.
- Designed features allowing volunteers to browse opportunities and submit applications, streamlining the onboarding process.
- Built responsive and user-friendly interfaces using the MERN stack to improve engagement across different devices.

Cyber Security Intern

Cisco Networking Academy

May 2024 – July 2024

Remote

- Gained hands-on exposure to cybersecurity fundamentals, including network security, cryptography, and threat intelligence.
- Completed practical labs on firewalls, intrusion detection/prevention systems (IDS/IPS), VPNs, and secure network design.
- Designed the network topology of the MAHE Bengaluru Campus using Cisco Packet Tracer.
- Conducted network mapping and threat analysis, proposing security enhancements via VPNs and firewalls.

PROJECTS

F1 Intelligent Race Analytics | FastAPI, React, Scikit-learn, NumPy, Pandas

Feb. 2026

- Developed a full-stack ML-based Formula 1 race analytics platform integrating REST APIs for driver, team, and track data, with a React dashboard and a RandomForest model trained on 2023 lap telemetry (MAE \approx 0.42s), optimized via vectorized batch inference for sub-second race simulations.

Smart Agriculture Monitoring & Crop Decision System | Python, ML, IoT

Nov. 2025

- Built an ML-driven smart agriculture system using IoT sensor data to predict irrigation needs, achieving \sim 99% accuracy through adaptive sampling, data preprocessing, and model evaluation.

Skill Bridge - NGO | Mongo DB, Express JS, Node JS, React JS

Oct. 2025

- Developed a role-based web platform that connects NGOs with volunteers by enabling opportunity posting and application management.

TECHNICAL SKILLS

Languages: C, Python, SQL

Frameworks/Web: HTML, CSS, JavaScript, MERN Stack, Bootstrap, Tailwind CSS

Machine Learning: Supervised Learning, Random Forests, SVM, Feature Engineering, Scikit-learn

Developer Tools: Git, GitHub, Google Colab, Cisco Packet Tracer

Soft Skills: Leadership, Public Speaking, Decision-Making

ACHIEVEMENTS & LEADERSHIP

- **ACM SIG-AI General Secretary:** Leading operations, coordinating events, and fostering student engagement in AI initiatives.
- **ATF Stage-I & II:** Cleared and ranked in the top 5%ile among 20k+ applicants pan India.
- **Nexus Hacknxs:** Participated in the hackathon conducted during the college technical fest.
- **Sports:** Represented D&NH at the state level in Badminton.