

# Anuraag Shankar

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## SUMMARY

High-performing Computer Science undergraduate with strong experience in full-stack development and cloud-native systems. Demonstrated ability to build scalable, end-to-end software and serverless solutions, backed by impactful internships and leadership in technical communities. Actively seeking software, cloud, or machine learning engineering roles.

## EXPERIENCE

### Machine Learning Intern

May 2025 – July 2025

*Vellore Institute of Technology*

*Chennai, India*

- Designed and implemented a custom CNN-based deep learning model for fine-grained fabric classification.
- Curated and preprocessed a dataset of **2,000+ high-resolution fabric texture images**, including augmentation and normalization.
- Achieved **91% test accuracy** through hyperparameter tuning and regularization techniques.

### Cybersecurity Intern

Jan. 2024 – Apr. 2024

*ISACA*

*Chennai, India*

- Analyzed security vulnerabilities in **200+ smart home and IoT devices**.
- Authored structured vulnerability assessment and mitigation reports.

## PROJECTS

### Resume Version Manager | React, Node.js, MongoDB, Cloudinary

- Built a full-stack platform to upload, organize, and manage multiple resume versions with metadata and tagging.
- Integrated secure Cloudinary storage for fast document retrieval and controlled access.
- Developed a responsive React UI and RESTful Node.js APIs backed by MongoDB for version tracking.

### AWS Email Briefing System | AWS Lambda, EventBridge, SES, S3

- Built a serverless, event-driven pipeline using AWS Lambda, EventBridge, and S3 for email processing.
- Automated email classification and daily summary briefings delivered via Amazon SES.
- Designed scalable, fault-tolerant workflows with scheduled triggers and decoupled services.

## TECHNICAL SKILLS

**Languages:** Python, Java, JavaScript

**Frameworks:** React, Node.js, Express.js, Flask

**Libraries & Data Tools:** pandas, NumPy, Matplotlib

**Databases:** MongoDB, MySQL

**Cloud & DevOps:** AWS, Docker, Firebase

**Developer Tools:** Git, Linux, VS Code, Jupyter Notebook

## LEADERSHIP & EXTRACURRICULARS

- **Microsoft Student Ambassador** — selected as **1 of 2 from VIT** to represent Microsoft Learn globally.
- **Student Council Executive Member** — led planning for Convocation, University Day, and university-level events.
- **Vice President, Microsoft Innovations Club** — led technical initiatives and events for a **200+ member** community.

## EDUCATION

### Vellore Institute of Technology, Chennai

*Aug 2023 – Present*

*B.Tech in Computer Science (Cyber Physical Systems)*

**CGPA: 9.21**    *Department Rank: 6*

### Padma Seshadri Bala Bhavan Senior Secondary School, Chennai

*July 2023*

*Central Board of Secondary Education, Class 12*

**Grade: 97.2%**    *School Rank: 2*