

Kaushika

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Education

Vellore Institute of Technology

Bachelor of Computer Science Engineering with Minors in Cloud Automation

CGPA: 8.59/10

Relevant Coursework: Cloud Architecture, Distributed Computing, Cybersecurity

Bhopal, India

Expected September 2026

Skills

Technical Skills: Java, Python, AWS

Databases: SQL, NoSQL, Firebase

Soft Skills: Technical Leadership, Cross-Functional Collaboration, Entrepreneurial Mindset

Experience

India Space Lab | Space Tech Entrepreneur Intern

Dec 2024 – Jan 2025

- Automated 15+ satellite data workflows using Python (AWS Lambda → Azure Functions equivalent), reducing processing time by 40% (2.7hrs → 1.6hrs daily)
- Optimized cloud storage management for 50+TB data through S3 lifecycle policies (Azure Blob Storage comparable), achieving \$1,2K/month cost savings
- Integrated security hardening (IAM/KMS) for 12+ mission-critical systems, achieving 100% compliance with data protection standards

University of Wollongong | Cloud Security & AI Intern

June 2024 – July 2024

- Audited 150+ AWS/Azure security configurations, remediating 27 critical vulnerabilities and reducing system exposure by 40% through automated patching
- Launched AI threat detection (TensorFlow-based) that identified 35% more threats (avg. 22 threats/day) with 50% faster response times (1.8hr → 0.9hr mean resolution)
- Streamlined security compliance checks using Python scripts, cutting manual audit time by 65% while achieving 100% CIS benchmark compliance

Projects

Bliss Bloom - Cloud-based Mental Health Platform | Front-End Developer

Feb 2024

- Constructed a WCAG-compliant, responsive UI using React.js & TypeScript, ensuring accessibility across devices
- Led cloud-based mental health platform to 500+ users with optimized performance
- Applied cloud migration principles by containerizing React app (Docker) for multi-cloud deployment flexibility
- Engineered intuitive features for a recommendation system to enhance user engagement and support

Ligamentro - Sign Language Recognition AI | Full-Stack Developer

May 2025

- Built a cross-platform solution using OpenCV (Python) for real-time gesture capture and TensorFlow (CNN-LSTM model) for interpretation, achieving 91.4% test accuracy on ASL dataset as well as enabling real-time translation via mobile/web cameras
- Deployed scalable React.js/Flutter frontend with WebRTC integration, serving 500+ monthly active users
- Enhanced accessibility by processing 9/10 signs correctly in real-world tests with hearing-impaired beta users

Extra-curricular

NHAI Hackathon – Smart and safe highways: AI-Driven FOB

India 2025

Pioneered an AI-based FOB detection system to improve pedestrian safety; led prototyping and pitch presentation for a hackathon-winning solution (Core principle: “Safety before luxury”)

Awarded Top Artist - Gulf National Contest (2018), National Art Champion

Dubai, UAE 2018

Certifications & Training

- Cloud Security Essentials for Executives – Amazon Web Services
- DevOps and Cyber Security - IBM
- Azure Fundamentals - Microsoft
- HTML, CSS and JavaScript - Johns Hopkins University

Languages

- English (Fluent), Hindi (Native), Arabic (Basic)