# Kaushika

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## EDUCATION

**VELLORE INSTITUTION OF TECHNOLOGY** — Bhopal, India
Bachelor of Engineering — Expected May 2026
Major in Computer Science; Minors in Cloud Computing and Automation
CGPA: 8.51/10.0
Relevant Coursework: Cloud Architecture, AWS Infrastructure, DevOps, Data Structures, Operating Systems, Software Engineering

**ASPAM INDIAN INTERNATIONAL SCHOOL** — SHARJAH
Senior Secondary, CBSE board, Percentage: 71.5% — Jul 2020 - May 2022

**OUR OWN ENGLISH HIGH SCHOOL** — SHARJAH
Secondary, CBSE board, Percentage: 82.5% — May 2020

## WORK EXPERIENCE

**India Space Lab — Space Tech Entrepreneur Intern** — Dec 2024 – Jan 2025
- Contributed to cloud-based automation of satellite data workflows using AWS Lambda and EC2
- Assisted in building scalable storage solutions on AWS S3 for space data handling

**Intrainz Training Intern** (8 employee venture-backed recruitment startup) — Bangalore, India
Cyber Security Intern — Nov 2023 – Jan 2024
- Gained practical exposure to penetration testing and ethical hacking tools in a simulated environment
- Completed more than 5 hands-on labs in vulnerability scanning and system hardening using Kali Linux

**University of Wollongong** — Al Sufouh, Dubai
Cyber Security Immersion Intern — Jun 2024 – Jul 2024
- Worked on securing Docker containers and implementing IAM policies
- Analyzed cloud infrastructure for security misconfigurations, integrated AI-based monitoring tools, and explored robotics frameworks and networking protocols for enhanced automation and threat detection

## UNIVERSITY PROJECTS

**Bliss Bloom** — Front-End Developer**/** Feb 2024
- Designed and developed a responsive, accessible UI for a mental health platform using React.js
- Integrated REST APIs and ensured cross-device compatibility, improving user retention by 30%

**Ligamentro- Sign Language Recognition** — Front-End & App Developer**/** May 2025
- Built a web and mobile application for gesture recognition using OpenCV and TensorFlow, which takes use of camera of the devices and help people to understand the sign language performed by anyone. It has 91% accuracy with well-trained model
- Improved accessibility for hearing-impaired users with real-time sign understanding capability with 9 out of 10 correct interprets the teller

## ACTIVITIES

**NHAI Hackathon – SMART & SAFE HIGHWAYS: AI-Driven FOB** — India
Participant — 2025
- Designed an AI-based solution to enhance pedestrian safety using smart FOB detection with innovative ideas and technical skills
- Worked in a collaborative team to prototype and present a real-time alert system and presentation to pitch the idea, our moto- "safety comes before luxury"

## ADDITIONAL

**Technical Skills**: C++, Java, PythonWeb Development: HTML, CSS, JavaScript, React.js, Competitive Programming, Problem-Solving
**Cybersecurity Tools:** AWS (EC2, S3, Lambda, IAM, CloudWatch), Microsoft Azure, Google Cloud, Docker, Git, CI/CD, CloudFormation
**Languages:** English (Fluent), Hindi (Fluent), Arabic (Basic)
**Certifications & Training:** Foundations of Cyber Security (Google), AWS Cloud Practitioner Essentials (Amazon), DevOps and Cyber Security (IBM), HTML, CSS, and JavaScript (Johns Hopkins University).