Achuth B

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Education

VIT Bhopal University   2022 – 2026
B.Tech in Computer Science Engineering (Cyber Security and Digital Forensics)
CGPA: 8.8

L'ecole Chempaka High School   Completed in 2022
ISC (Class 12): 89.25%, ICSE (Class 10): 95%

Experience

SDE Intern, Bluestock Fintech   May 2025 – July 2025
- Built and deployed **RESTful APIs** with **Node.js, Express.js, MongoDB**, enabling dynamic IPO data access for 1,000+ users.
- Implemented encrypted document workflows (RHP/DRHP) ensuring secure file transfer and access control.
- Collaborated in a 5-member **Agile team**, contributing to production releases and version control using Git/GitHub.

Projects

Agriguard Rover – AI-Powered Agricultural Rover   `Achuz123/Agriguard`
- Engineered a real-time agricultural rover by training a **DenseNet-121** model that achieved **95% accuracy** in plant disease detection from real-world datasets.
- Evaluated **4 AI models** for disease and pest detection, successfully integrating the top-performing one with a live rover camera for real-time analysis and reporting.
- **Tech Stack:** Python, TensorFlow, OpenCV, SolidWorks

Screenly – Movie Ticket Booking Web App   `screenly.netlify.app`
- Engineered and deployed a full-stack **MERN** application, designing a secure backend and a responsive frontend.
- Implemented a **CI/CD** pipeline to automate deployment creating a scalable and stable production environment.
- **Tech Stack:** React.js, Node.js, Express.js, MongoDB, JWT, Redux, CI/CD, REST API

Skills

Languages: Java, Python, JavaScript, HTML, CSS, Bash
Frameworks & Libraries: React.js, Express.js, MongoDB, Redux, JWT, RESTful APIs, Tailwind CSS, TensorFlow, OpenCV
Tools & Platforms: Docker, Kubernetes, Jenkins, AWS (EC2, S3, IAM), Ansible, Terraform
Certifications: CEH v12 (EC-Council), MERN Full Stack (Ethnus), Cyber Security Analyst (IBM)
Areas of Expertise: Software Development, Full-Stack Development, DevOps & CI/CD, Cyber Security

Co-Curricular Activities

- Contributed to multiple open-source projects on GitHub, demonstrating collaboration and problem-solving skills in a real-world development environment.
- Placed in the **top 10% of participants** in *Immersion*, a competitive software engineering exam.
- **Participated in multiple national-level hackathons**, focusing on real-world problem-solving and innovation.
- Maintained a **100+ day coding streak** on LeetCode and GeeksforGeeks, solving over **200+ problems** in data structures and algorithms.

Extra-Curricular Activities

- Served as **Head Boy** at L'ecole Chempaka High School, leading student initiatives, organizing events, and acting as the liaison between students and faculty.
- Volunteered at the TCS Placement Drive, handling logistics and communication with candidates and organizers.
- Active core member of the MUN and Malayalam Clubs, contributing to event organization and community engagement.
- **Languages:** Fluent in English, Malayalam, and Hindi.