Nikhil Nambiar

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EDUCATION

✔ **VIT BHOPAL UNIVERSITY**   **Bhopal, India**
Bachelor of Tech in Computer Science and Engineering (Cyber Security and Digital Forensics)   Expected *June 2026*
Cumulative CGPA: *7.95 / 10.0*
Relevant Coursework: Network Security, Cryptography, Digital Forensics, Ethical Hacking, Secure Software Development

✔ **WHITEFIELD GLOBAL PU COLLEGE (Deeksha)**   **Whitefield, Bengaluru, India**
Pre-University Course (12th Grade), PCMB Stream (Physics, Chemistry, Mathematics, Biology)   *Completed Apr 2022*
Board: Karnataka PUC   Percentage: 69.83%

✔ **DEENS ACADEMY**   **Whitefield, Bengaluru, India**
Class 10 (CBSE Curriculum)   *Completed Mar 2020*
Board: CBSE   Percentage: 79.8%

PROJECTS

FACT SCAN – Fighting Fake News with Machine Learning   *Team Project*
Developed a machine learning-based tool to detect fake news by analyzing linguistic patterns and inconsistencies. Leveraged natural language processing (NLP) techniques to extract key textual features. Collaboratively tested and compared multiple ML algorithms to optimize accuracy and reliability. Integrated real-world news verification principles to enhance practical applicability.

Animal Disease Detection Using CNN – Web-Based Disease Classification System   *Team Project*
Developed a web-based application for detecting livestock diseases using image classification. Designed and trained a convolutional neural network (CNN) in TensorFlow and Keres to classify diseases (Mouth/Foot Disease, Fur Issues) with high precision. Integrated the model into a Flask-based backend while collaborating with the team to build a responsive frontend using npm and supporting tools. Ensured smooth user uploads and accurate predictions in a unified web interface.

GuideLink - A tour guide app   *Team project (ongoing)*
Developed GuideLink, a travel guide booking platform aimed at connecting travelers with verified local tour guides. Started prototyping the mobile app using Flutter in Android studio, focusing on user interface components and map integration. Developed a responsive website using HTML and CSS to show the core features

ACTIVITIES

Ethnus Internship Training Program – AWS Cloud Foundational & Cloud architecture
Online **Trainee (Ongoing**)   May 2025 – Present
● Undergoing hands-on training in AWS services including EC2, S3, IAM, and Lambda
● Learning to deploy scalable cloud-based applications using best practices in security and architecture
● Deployed web-based application using node and react.js and used AWS services to deploy the Webpage

Ethnus Internship Training Program – MERN Stack Development   **Online Trainee (Ongoing)** May 2025 – Present
● Building full-stack applications using MongoDB, Express.js, React.js, and Node.js

Cyber security intern - Red users
● Implemented & maintained robust protocols, with WPA2/WPA3 and Windows Defender, to safeguard networks & systems.
● Found web application vulnerabilities such as SSF, CSRF using OWASP ZAP and WebGoat.

CERTIFICATION

● **AWS Academy Cloud Foundations** – Amazon Web Services (Issued May 2025)
● **AWS Academy Cloud Architecting** – Amazon Web Services (Issued June 2025)
● **Foundations of Cybersecurity -** Google (coursera) (Issued March 2025)
● **NPTEL, Cyber Physical System** – NPTEL (Issued May 2024)

SKILLS & INTEREST

Technical skills: Java, c++ , python, HTML, CSS, Javascript, MySQL,
Languages: English, Hindi, Malayalam
Additional Certificates: Completed C, C++ and Python course ("The Benchmates" Institute), German (A1 -Goethe Institute)
Interest: Cycling, Cricket, Implementing and learning new technologies.