

Nivedha M

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SUMMARY

Cloud Engineer skilled in Python and SQL, with hands-on experience deploying scalable web and data-driven applications. Strong foundation in cloud computing, networking fundamentals, and database management. Proven ability to design efficient, secure, and user-centric solutions through academic projects and internships, with a keen interest in leveraging cloud platforms to optimize performance and reliability.

TECHNICAL SKILLS

Cloud & Networking: AWS(EC2, S3, VPC Basics), Cloud Deployment, Elasticity and Scalability, Networking Fundamentals

Programming & Database: Python(Flask), SQL, MySQL

Front-end: HTML, CSS, Bootstrap, Responsive Design

Version Control: Git, GitHub

Tools & Platforms: Visual Studio Code, MySQL Workbench, Jupyter Notebook, Linux

Certifications & Badges: AWS Cloud Practitioner Essentials - AWS Skill Build, Software Testing - NPTEL, IBM Cloud Essentials Badge - Issued By IBM, Networking Basics Badge - Issued By Cisco

EXPERIENCE

Web Developer Intern

Renacto Enterprise Solutions

Feb 2024 – Mar 2024

Cuddalore

- Enhanced website functionality and UI/UX for Nanoceut Therapeutics, improving mobile responsiveness and increasing user engagement by 25%.
- Applied cross-browser compatibility fixes and Bootstrap frameworks to deliver consistent web experiences.
- Created and maintained reusable frontend components and forms, improving development efficiency.

PROJECTS

Fraud Guard

Apr 2025 – Aug 2025

- Developed using Flask, Python, and a trained ML model, improving transaction risk prediction accuracy and reducing manual review efforts by 60% and hosted on AWS
- Processed and prepared over 15,000 e-commerce transaction records with data cleaning, encoding, and scaling techniques, improving ML model accuracy by 18%.
- Built a responsive dashboard with interactive charts using Chart.js.

TV Net Manager

Mar 2023 – May 2023

- Engineered using HTML, CSS, PHP, and MySQL to streamline customer data handling for network operators.
- Connected PHP with phpMyAdmin to securely fetch, display, and manipulate data, ensuring content rendering from the database.
- Deployed a CRUD-based web application to manage records, streamlining operations for TV operators.

EDUCATION

Master of Computer Applications (MCA)

Karpaga Vinayaga College of Engineering and Technology, Chengalpattu

Sep 2023 – Aug 2025

CGPA: 8.4

Bachelor of Computer Applications (BCA)

St. Joseph's College of Arts and Science, Cuddalore

Aug 2020 – Apr 2023

CGPA: 7.9