

Abhinav Gupta

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TECHNICAL SKILLS

- Python
- SQL
- React
- .NET Full Stack Development
- Threat Detection and Incident Response
- Identity and Access Management
- Cloud Security

EDUCATION

B.E:
CSE With Cyber Security
Sathyabama University
Chennai
CGPA:8.29
2021 – 2025

HIGHER SECONDARY,12TH
Sri Chaitanya Techo School
Chennai
Score:80.0%
2020 – 2021

SECONDARY,10TH
Ramana Vidyalaya
Chennai
Score:64.4%
2018-2019

CERTIFICATIONS

- Google Cybersecurity Professional Certificate
- Microsoft Certified: Azure Security Engineer Associate (AZ-500)
- NPTEL Certification in Cloud Computing and Distributed Systems
- Oracle Cloud Infrastructure 2023 Certified Foundations Associate

PROFESSIONAL PROFILE

Enthusiastic and career-driven Computer Science Engineer specializing in Cybersecurity and Cloud Technologies. Proficient in Python, React, .NET, and Azure Security, with hands-on experience in threat detection and incident response. Strong collaborator and fast learner, capable of delivering secure and scalable solutions.

PROFESSIONAL EXPERIENCE

PROGRAMMER ANALYST TRAINEE

JAN 2025– PRESENT

Cognizant

- Led a team in building a full-stack online food delivery platform using **React.js** and **ASP.NET Core**.
- Designed and implemented **Registration** and **Delivery modules**, improving user onboarding and order fulfilment flow.
- Ensured seamless user experience across modules by integrating **JWT-based authentication** and **RESTful APIs**.
- Collaborated with cross-functional team members to deliver project milestones on time.
- Resulted in a functional, scalable product with improved delivery tracking and reduced cart abandonment.

INTERN

JULY 2024 – AUG 2024

Pinnacle Labs

- Developed a secure encryption tool integrating **AES, DES, and RSA** algorithms for robust data protection.
- Created an interactive GUI using **Tkinter** to enable real-time encryption and decryption for users.
- Implemented **RSA key pair generation** with secure private key storage to prevent unauthorized access.

PROJECTS

1) Network Intrusion Detection System using Neural Networks

- Developed a NIDS using neural networks with 96% accuracy.
- Implemented real-time anomaly detection using TensorFlow and Keras.

2) Real-Time Malware Detection and Mitigation System

- Leveraged behavioral analysis and ML to detect and mitigate malware in real time.
- Integrated Automated Threat Response mechanism to enhance system security.

3) Online Food Delivery Application

- Developed a full-stack Online Food Delivery Application using React.js and ASP.NET Core MVC.
- Implemented modules for user registration, menu browsing, order placement, payment and Delivery.
- Used Entity Framework Core with SQL Server for database operations and foreign key relationships.
- Integrated JWT authentication for secure and role-based user access.
- Built RESTful APIs for seamless frontend-backend communication.
- Created an admin dashboard to manage menus, orders, and customer details efficiently.