






# Deepam Goyal

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## Education

**Vellore Institute of Technology**, Bhopal, M.P. Expected July 2026  
B.Tech in Computer Science Engineering (Cyber Security & Digital Forensics)

- Cumulative GPA: 8.72/10

**Amity International School**, Noida, U.P. Jul 2022  
12th Standard (CBSE)

- Percentage: 87.2%

**Amity International School**, Noida, U.P. May 2020  
10th Standard (CBSE)

- Percentage: 92%

## Technical Skills

**Programming Languages:** Java, Go, Python, SQL

**Backend & API Development:** gRPC, GraphQL, REST APIs, Node.js, Express.js, Go Fiber, Prisma

**Frontend Development:** React.js, HTML5, CSS3, JavaScript, Tailwind

**Databases & Storage:** PostgreSQL, MongoDB, Redis, SQLite

**Cloud & DevOps:** AWS, Docker, Git, Linux CLI

## Projects

**Raksha - Behavioral Biometrics Banking Security** |  Link Jul 2025

**Technologies Used:** Flutter, Python, TensorFlow, AWS S3, Firebase, FastAPI

- Built continuous authentication system analyzing 25+ behavioral features with 95% accuracy and <1 second ML inference for real-time fraud detection in mobile banking applications.
- Developed autoencoder neural networks (32-16-32 architecture) with personalized user models achieving 3-5% false positive rate and adaptive 3-tier risk assessment system.
- Created full-featured Flutter banking app with 8+ services (UPI, transfers, recharge) demonstrating seamless behavioral monitoring integration with encrypted cloud ML pipeline.

**Go Multi Microservices Backend** |  Link Jan 2025

**Technologies Used:** Go, gRPC, GraphQL, PostgreSQL, Elasticsearch, Docker

- Designed scalable e-commerce backend with Go, splitting logic into modular microservices for performance.
- Implemented a high-performance gRPC communication layer, cutting inter-service latency by 40%.
- Integrated a GraphQL gateway to enable a unified, flexible API access layer.
- Optimized data workflows using PostgreSQL and Elasticsearch, achieving 300ms average product search time.
- Containerized and orchestrated all services via Docker Compose for reproducibility and scalability.

**Real Estate Website** |  Link | Demo Jan 2024

**Technologies Used:** React.js, Node.js, Express.js, Prisma, MongoDB

- Designed and deployed a full-stack real estate platform serving 500+ listing, improving page load speed by 35%.
- Engineered RESTful APIs via Express.js and streamlined data access using Prisma ORM for MongoDB.
- Implemented advanced search and filtering via React Query, reducing data fetch latency by 60%.
- Integrated Auth0 for secure authentication and session handling, enabling robust role-based access control.

## Achievements & Certifications

- Selected among top 105 teams out of 4000+ in the Canara Bank SuRaksha Cyber Hackathon 2025.
- 51<sup>st</sup> out of 300 teams – Apoorv IIIT Kottayam CTF 2024.
- Certified Ethical Hacker (CEH) – EC-Council.
- Certified Network Security Practitioner (CNSP) – The SecOps Group.
- Completed the 100 Days of Code challenge and solved 250+ problems on LeetCode.