

# PRATHAM MITTAL

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## EDUCATION

Year	Degree/Certificate	Institute	CGPA
2023 - 2027	B.Tech (Computer Science Engineering)	Vellore Institute of Technology	8.65/10

## WORK EXPERIENCE

### IBM

May 2025 - July 2025

*DevOps Intern*

- Gained Hand-On-Experience on **Docker, CI/CD pipeline, Ansible and some other DevOps tools.**
- Manage continuous **Deployment pipelines** using tools like **Jenkins, GitHub Actions**
- Engineered actuarial valuation models to compute using **Gradient Descent Algorithms**

## PROJECTS

### Eye Disease Prediction

Sep 2025 – Dec 2025

**Objective:** Model that can **analyse retinal images**

- Built full-stack app with **Python, TensorFlow, Keras, PyTorch, OpenCV, Scikit-learn**
- Integrated secure authentication, external **APIs, RESTAPIs** and optimized data flow
- Individual Project

### Game of Cyber Security

Feb 2025 – Mar 2025

**Objective:** A small CTF platform where players **solve CyberSecurity** challenges

- Built this **using PyGame, Tkinter and Flask**
- Frameworks used are **ReactJS, NodeJS and Phaser.js**
- A fun interactive with features of **password cracking, SQL injection, Cryptography, Forensics, Steganography**

## CERTIFICATIONS

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- Machine Learning – NPTEL
- Python Programming – HackerRank
- DevOps Fundamentals – IBM

## SKILLS

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Programming Languages	Python, C, C++, SQL, JavaScript, TypeScript, Java, HTML, CSS
Frameworks/ Libraries/ Software	ReactJS, NextJS, NodeJS, ExpressJS, VS Code, Figma, MATLAB
Database/ Cloud/DevOps Tools	MySQL, MongoDB, Redis, Git, GitHub, Aws, Docker, Kubernetes