PRATHAMESH KADAM

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Summary

Motivated Computer Engineering student specializing in Cyber Security and Forensics with strong hands-on experience in Java backend development, REST APIs, database-driven applications, and full stack systems. Proficient in Java, JDBC, Servlets, JSP, WCD, HTML, CSS, JavaScript, and SQL with practical exposure to REST API development, backend engineering. Experienced through internships at Seed Infotech and Palo Alto Networks – EduSkills, focusing on cybersecurity fundamentals, cloud security, IAM, and threat analysis. Skilled in building real-time security systems using NLP, machine learning, and data analysis. Strong foundation in database design, application development, and system optimization with a proven ability to contribute to secure, scalable, and high-performance solutions.

Technical Skills

Languages: Java, HTML, CSS, JavaScript, SQL
Databases: MySQL, MongoDB
Frameworks/Technologies: JDBC, Servlets, JSP, WCD, J2EE, Hibernate, Spring , APIs, Git, Cloud Basics (AWS/GCP), CRUD Operations
Tools: VS Code, NetBeans, MongoDB Compass, Google Cloud Platform
Core Competencies: Full Stack Development, Object-Oriented Programming (OOP), Data Structures, Database Design, API Integration

Experience

Full Stack Developer Intern – *(Seed Infotech Ltd) Apr 2025 – Oct 2025 (Expected), Pune (Onsite)*
- Developed responsive web applications using **Java, HTML, CSS, JavaScript, Bootstrap, jQuery**.
- Built backend components using **Core Java** and maintained SQL/NoSQL databases.
- Designed and implemented **REST-based CRUD operations** for application modules.
- Performed **code reviews**, **debugged code**, and **optimized application performance.**
- Collaborated with teams to design, test, and deploy new features.
- Strengthened backend development skills by learning **Advanced Java**.

Cybersecurity Intern
Palo Alto Networks – *EduSkills & AICTE Virtual Internship | Apr 2025 – Jun 2025 (Expected) | Remote*
- Completed a 10-week virtual internship focused on core **cybersecurity principles**, threat detection, and prevention techniques.
- Gained hands-on exposure to real-world security scenarios and best practices in **securing networks and systems.**
- Gained understanding of industry-standard practices in **firewall configuration**, **cloud security**, **IAM**, and **compliance.**
- Key Skills**: Network Security, Cyber Threats, IAM, Cloud Security, Risk Management**

Projects

Employee Management System & Product Management System | Java, Servlets, JSP, JDBC, Oracle DB, Tomcat
- Developed **web-based Employee and Product Management Systems** using Java Servlets and JSP, following the **MVC architecture**.
- Implemented **user authentication (login & registration)** with username and password stored and validated from an **Oracle database**.
- Built complete workflows to **add, update, search, and view employee and product records**, with all data persisted in the database.
- Designed **DAO-based JDBC operations** to ensure reliable and efficient storage and retrieval of employee and product details.
- Created **HTML/JSP forms** and integrated them with backend Servlets for **database-driven CRUD operations**.
- Ensured **clean separation of concerns** using Beans, Controllers, DAO, and Service layers.
- Deployed both applications on **Apache Tomcat**, ensuring smooth request–response handling and seamless navigation.

Library Management System | Java, Swing, MySQL, JDBC, NetBeans
- Built a desktop-based library automation system with secure login, student registration, book management, and book issue/return workflows.
- Designed 14+ UI screens using Java Swing (NetBeans GUI Builder) and implemented optimized CRUD operations with JDBC.
- Developed MySQL-backed modules for managing books, students, issued books, and returns using structured relational tables.
- Integrated a reusable database connector, ensuring fast, stable queries and smooth navigation across all modules.

AI-Driven Voice Phishing Detection System
- Developed a real-time phishing detection system that transcribes voice calls into text using **Google's Speech-to-Text API**.
- Integrated **NLP** and machine learning models (**SVM, BERT**) to analyze and classify conversations as **"Spam"** or **"Not-Spam."**
- Employed acoustic analysis using tools like **Wav2Vec 2.0** and **OpenSMILE** to detect voice anomalies and emotional cues.

- Designed **keyword-based** and **contextual analysis methods** to identify fraudulent speech patterns (e.g., requests for banking info).

Stargazing.

Developed an interactive night-sky map application that displays real-time star positions based on user location.

Detection of Child Predators and Cyber Harassers

- Built an AI-powered system to detect and profile child predators and cyber harassers using **web scraping, NLP, and conducted behavioral analysis.**
- Implemented real-time analysis of online conversations with **sentiment analysis, grooming pattern detection**, and threat scoring using **BERT**.
- Integrated **OSINT tools** (Maltego, Sherlock) to gather public data for profiling suspicious users and visualizing relationships.

Accident Detection System

Developed a real-time Accident Detection System using Raspberry Pi, accelerometer (MPU6050), GPS, and GSM modules. Implemented motion- and gyroscope-based analysis to detect collisions, triggered automated emergency SMS alerts with precise GPS coordinates, applied normalization algorithms to reduce false positives, and created Python scripts for sensor data processing and communication handling.

Certification

1. **AWS Academy Cloud Foundations – AWS Academy Graduate**
2. **Java Training Certificate – IIT Bombay (Spoken Tutorial Project)**
   Completed with 77.50% score
3. **Coursera – Oracle Database Foundations**
4. **Coursera – Structured Query Language (SQL)**
5. **Cisco – Introduction to Cybersecurity**
6. **Cisco – Computer Networking Course**
7. **Assets, Threats, and Vulnerabilities – Google**

Education

MIT ADT University	**2022 – 2026**

Bachelor of Engineering in Computer Engineering with Specialization in Cyber Security and Forensics. *Pune, Maharashtra*
CGPA: 7.96/10
NSS Member
Research Paper Published at ADALY JOURNAL.

Sardar Dastur Hormazdiar Junior College	**2020-2022**

12th HSC; Percentage:68.50% *Pune, Maharashtra*

Army Public School	**2020**

10th CBSE; Percentage: 71.60% *Pune, Maharashtra*