PRATIK BHAUSAHEB MENGAL
B.E. - Computer Science & Engineering
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KEY EXPERTISE

Cyber Security   Java   Python   Cloud   Google Cloud   Front-End Web Development

EDUCATION

Dr. D Y Patil Institute of Engineering,Management & Research, Akurdi	2021 - 2025
B.E. - Computer Science & Engineering | CGPA: **6.93** / **10**	

Akole Taluka Education Society's Technical Campus Akole, akole	2022
Diploma | Diploma - Computer Engineering | MSBTE | Percentage: **74.97** / **100**	

Nutan Vidyalaya Asangaon, Asangaon	2018
10th | MSBSHSE | Percentage: **61.40** / **100**	

INTERNSHIPS

devtown | IT / Computers - Software   13 Apr, 2024 - 13 Sep, 2024

Full Stack Web Developer Intern

Key Skills:

Express.js   HTML   CSS   SQL   Agile Methodologies   Testing and Debugging   RESTful APIs   MongoDB   React

Responsive Web Design   Git and Version Control   Node.js   JavaScript   Django   Deployment and Cloud Services

Interns will work on real-world projects, collaborating with experienced developers to design, build, and maintain web applications. The program includes training on essential technologies such as HTML, CSS, JavaScript, React (for front-end development), and Node.js or Django (for back-end development). Participants will also learn about database management (using MongoDB or SQL) and version control using Git.

Codsoft | IT / Computers - Software   20 Jan, 2024 - 20 Feb, 2024

Java Software Developer

CODSOFT is a vibrant and diverse community that brings together individuals with similar objectives and ultimate goals. Our main focus is on creating opportunities that span various areas, including leadership development, learning, student engagement, and fostering shared interests.

We believe in the power of leadership and its ability to drive positive change. That's why we provide platforms and resources for our community members to develop their leadership skills. Through mentorship programs, workshops, and collaborative projects, we empower individuals to take on leadership roles and make a difference in their respective fields.

PROJECTS

Spotify Clone   16 Sep, 2023 - 17 Oct, 2023

Mentor: Devtown

Key Skills: HTML   CSS   JavaScript

Project Link: https://github.com/pratikmengal206/SpotifyClone

Spotify Clone

Built a fully responsive Spotify clone using HTML, CSS, and JavaScript, emulating the original interface with precise attention to design and user experience.

Integrated custom audio playback controls, playlist functionality, and seamless navigation using JavaScript, enhancing user engagement and interactivity.

Ensured cross-browser compatibility and optimized performance, delivering a smooth and consistent experience across all devices and platforms.

Disney+ Hotstar Clone   10 Aug, 2023 - 31 Aug, 2023

Mentor: Devtown

Key Skills: HTML CSS Javascript

Project Link: https://github.com/pratikmengal206/Disney-Hotstar-Clone-

Disney+ Hotstar Clone

Developed a responsive web application replicating the Disney+ Hotstar interface using HTML, CSS, and JavaScript, focusing on pixel-perfect UI design and smooth user experience.
Implemented dynamic content loading, navigation, and interactive features using vanilla JavaScript, enhancing the site's responsiveness and interactivity.
Optimized the project for performance and cross-browser compatibility, ensuring seamless functionality across different devices and platforms.

ASSESSMENTS / CERTIFICATIONS

Cybersecurity Analyst Job Simulation

Key Skills: Security Database Security Network Security Data Security Cyber-security

Cybersecurity Analyst Job Simulation (Tata, Forage)

Developed and honed skills in threat detection, incident response, and risk management by working on real-world cybersecurity scenarios.
Identified vulnerabilities and implemented strategies to mitigate potential threats, enhancing the ability to protect digital assets and ensure data security.
Gained hands-on experience in cybersecurity practices, including vulnerability assessment and threat mitigation, through a simulation-based approach.

Google Cybersecurity Professional Certificate

Aggregate: 98.81 / 100
Subjects: Foundations of Cybersecurity (98.81 / 100) , Play It Safe: Manage Security Risks (96.14 / 100) , Connect and Protect: Networks and Network Security (100 / 100) , Tools of the Trade: Linux and SQL (100 / 100) , Assets, Threats, and Vulnerabilities (97.50 / 100) , Sound the Alarm: Detection and Response (100 / 100) , Automate Cybersecurity Tasks with Python (100 / 100) , Put It to Work: Prepare for Cybersecurity Jobs (98.10 / 100)
Key Skills:

Foundations of Cybersecurity   Play It Safe: Manage Security Risks   Connect and Protect: Networks and Network Security

Tools of the Trade: Linux and SQL   Assets, Threats, and Vulnerabilities   Sound the Alarm: Detection and Response

Automate Cybersecurity Tasks with Python   Put It to Work: Prepare for Cybersecurity Jobs

Prepare for a new career in the high-growth field of cybersecurity, no degree or experience required. Get professional training designed and delivered by subject matter experts at Google and have the opportunity to connect with top employers.

Organizations must continuously protect themselves and the people they serve from cyber-related threats, like fraud and phishing. They rely on cybersecurity to maintain the confidentiality, integrity, and availability of their internal systems and information. Cybersecurity analysts use a collection of methods and technologies to safeguard against threats and unauthorized access - and to create and implement solutions should a threat get through.

During the 8 courses in this certificate program, you'll learn from cybersecurity experts at Google and gain in-demand skills that prepare you for entry-level roles like cybersecurity analyst, security operations center (SOC) analyst, and more. At under 10 hours per week, you can complete the certificate in less than 6 months.

Upon completion of the certificate, you can directly apply for jobs with Google and over 150 U.S. employers, including American Express, Deloitte, Colgate-Palmolive, Mandiant (now part of Google Cloud), T-Mobile, and Walmart.

The Google Cybersecurity Certificate helps prepare you for the CompTIA Security+ exam, the industry leading certification for cybersecurity roles. You'll earn a dual credential when you complete both.

ESG Virtual Experience Program
Key Skills:

Introduction to ESG (Environmental, Social, and Governance)   Sustainability Reporting Frameworks (GRI, SASB, etc.)

Environmental Impact Assessment   Corporate Social Responsibility (CSR)   ESG Risk Management

Stakeholder Engagement Strategies   Corporate Governance Principles   Regulatory and Compliance Standards

Ethical Business Practices   Sustainable Development Goals (SDGs)   ESG Data Collection and Analysis

Social Impact Assessment   Carbon Footprint and Resource Management   ESG in Decision-Making Processes

Long-term Business Sustainability

The "ESG Virtual Experience" provided by TCS focuses on Environmental, Social, and Governance (ESG) principles, designed to give participants a comprehensive understanding of how companies can align their business strategies with sustainable development goals.

It covers topics like corporate responsibility, sustainability reporting, ethical business practices, and the integration of ESG factors in decision-making processes. The program also provides insights into ESG risk management, stakeholder engagement, and compliance with international standards, helping participants to understand how these elements contribute to long-term business success and sustainability.

Introduction to Cloud

Key Skills:

Cloud Storage Solutions   Cloud DevOps Practices   Cloud Migration Strategies   Cloud Security and Compliance

Cloud Architecture and Infrastructure   Virtualization in Cloud Computing   Cloud Service Models (IaaS, PaaS, SaaS)

Cloud Deployment Models (Public, Private, Hybrid)   Cloud Computing Fundamentals

You will learn about the definition and essential characteristics of cloud computing, its history, emerging trends, and the business case for cloud computing. You also learn about the various cloud service models (IaaS, PaaS, SaaS) and deployment models (Public Cloud, Private Cloud, Hybrid Cloud), the key components of a cloud architecture (Virtualization, VMs, Storage, Networking, Containers), and Emergent Cloud Trends (Hybrid Multicloud, Serverless, Microservices, Cloud Native, Application Modernization).

Software Engineering and Agile software development

Key Skills:

Software Development Life Cycle (SDLC)   Agile Methodologies (Scrum, Kanban)   Sprint Planning & Iterative Development

Requirements Gathering & Analysis   Software Design Patterns   Version Control (Git) Basics

Collaborative Development & Team Communication   Testing & Quality Assurance Principles

Successfully completed a structured program covering the fundamentals of software engineering and Agile development frameworks. The course emphasized end-to-end software development practices, Agile principles, sprint planning, and collaborative problem-solving to deliver scalable and maintainable solutions.

Programming using Java

Key Skills:

Core Java Syntax & Data Types   Object-Oriented Programming (OOP) – Encapsulation, Inheritance, Polymorphism, Abstraction

Exception Handling & Error Management   Java Collections Framework   File Handling in Java   Multithreading Basics

Java I/O Streams   Debugging & Code Optimization   Basic JDBC (Java Database Connectivity) Concepts

Successfully completed a course focused on Java programming fundamentals, object-oriented programming (OOP) principles, and application development. The program covered coding best practices, debugging techniques, and building efficient, reusable, and maintainable Java applications.

Data Structures and Algorithms using Java

Key Skills:

Arrays, Strings, and Linked Lists   Stacks, Queues, and Priority Queues   HashMaps and HashSets

Trees (Binary Trees, Binary Search Trees)   Graphs and Traversal Algorithms (BFS, DFS)

Sorting Algorithms (Quick Sort, Merge Sort, etc.)   Searching Techniques (Binary Search, Linear Search)

Recursion and Dynamic Programming   Time and Space Complexity Analysis (Big-O, Big-Θ, Big-Ω)

Completed an in-depth course on implementing and optimizing data structures and algorithms in Java. The program emphasized problem-solving techniques, algorithmic complexity analysis, and writing efficient, scalable code.

Database Management System - Science Graduates

Key Skills:

Advanced SQL Queries & Subqueries   Relational Database Design & Implementation

Transaction Management & Concurrency Control   Database Security Fundamentals   Views, Stored Procedures, and Functions

Indexing and Performance Tuning   Data Backup & Recovery Strategies

ERD (Entity-Relationship Diagram) for Complex Systems   Normalization and Denormalization Techniques

Completed an advanced-level DBMS program tailored for science graduates, focusing on database architecture, query optimization, and real-world data management applications. The course emphasized efficient design, implementation, and maintenance of relational databases.

IMs

- WhatsApp - https://wa.me/+917620724845

PERSONAL DETAILS

Gender: Male

Marital Status: Single

Current Address: Boys Hostel, Near PoliceLine Colony, Wakad 411057, Pune, Maharashtra, India - 411057

Date of Birth: 20 Jun, 2002

Known Languages: English, Hindi, Marathi

Permanent Address: Mehenduri, Post Rumbhodi, Tal. Akole, Dist. Ahmednagar, Akole, Maharashtra, India - 422601

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