

Ayush Patel

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SUMMARY

Results-driven programmer with expertise in Python, C#, Java, and full-stack web development. Proficient in designing and implementing secure, high-performance applications, with hands-on experience in database management (SQL Server, MySQL, Oracle) and data analytics tools (Tableau, Power BI). Skilled in web technologies such as HTML5, CSS, JavaScript, and ASP.Net, and experienced in optimizing software for performance and security. Strong problem-solving abilities, attention to detail, and a commitment to delivering efficient, scalable solutions. Continuously learning and staying updated with the latest technologies to contribute to dynamic development teams.

EDUCATION

Bachelor of Science Degree (WES certified) | July 2022

- **Computer Application and Information Technology**, SARDAR PATEL UNIVERSITY, Gujarat, India

Post-Graduate Certificates

- **Analytics For Business Decision Making**, Mohawk College, Hamilton, ON
September 2023 – April 2024
- **Cyber Security Analytics**, Mohawk College, Hamilton ON | **Honours**
January- 2023 - August 2023

TECHNICAL SKILLS

- **Programming:** Python, C#, Java, PHP
- **Analytics:** Tableau, Power BI
- **Data Analysis :** IBM Cognos Analytics, IBM SPSS Modeler
- **Database Platforms:** SQL Server, MySQL, Oracle
- **Web:** Html 5, CSS, JavaScript
- **Networking:** Troubleshooting IT services, systems software.
- GitHub, Visual Studio, .NET, ASP.Net

WORK EXPERIENCE

Virtigold Bio Tech – Web developer

Permanent: September 2021 - September 2022 | 1 Year

- Developed and maintained company website applications, optimizing performance and ensuring a seamless user experience for both clients and internal teams.
- Collaborated with internal departments and external partners to design and implement compensation systems and tools, ensuring accurate payroll and compensation distribution.
- Conducted detailed analysis of existing web applications, identified gaps in functionality, and proposed solutions to improve operational efficiency and user satisfaction.
- Provided ongoing support and troubleshooting for live web applications, reducing downtime by 20% through proactive maintenance and performance monitoring.
- Documented technical processes, enhancing knowledge transfer and ensuring continuity across the development team.

Internship: March 2021 - August 2021 | 6 Months

- Assisted in the development of the company's official website and supporting pages, enhancing user experience.
- Managed sensitive data and ensured secure communication and storage practices.
- Facilitated client meetings to gather functional and non-functional requirements, translating business needs into technical solutions and action plans.
- Conducted client meetings to gather requirements and provide technical solutions

CERTIFICATIONS

[All Certification on Credly](#)

IBM

- Predictive Analytics Modeler
- Business Intelligence Analyst
- Enterprise Design Thinking

Microsoft

- Azure AI fundamentals
- Security, Compliance and Identity Fundamental

PROJECTS

1. [Login Alert System \(Python\)](#)

Developed a security alert system in Python that captures an image from the webcam upon login detection and sends an email notification with the image as an attachment. The system logs the login time and saves the captured images in a designated directory. Key features include secure email authentication using environment variables (through .env), email notifications with image attachments using the smtplib and MIME libraries, and webcam image capture using OpenCV. This tool enhances security by providing real-time login alerts and visual verification.

2. [YouTube Music Video Downloader \(Python & FFmpeg\)](#)

Created a Python-based tool to download high-resolution music videos from YouTube using pytube and FFmpeg. The tool downloads both video and audio streams separately, merges them using FFmpeg, and outputs a high-quality MP4 file. It supports customizable resolution settings and handles potential errors in stream availability. The tool automates video processing and clean-up, providing users with an efficient way to download and save YouTube music videos.

3. [Password Generator \(Python\)](#)

Developed a customizable password generator script in Python that allows users to generate secure, randomized passwords based on specified criteria. The tool supports user input for minimum password length, inclusion of numbers, and special characters. It ensures that the generated password meets the security requirements by incorporating letters, digits, and symbols based on user preferences, making it suitable for improving password strength and security practices.

ADDITIONAL SKILLS

- Strong communication and problem-solving abilities, ensuring efficient collaboration across teams.
- Excellent multitasking skills with experience in handling various projects in high-pressure environments.
- Committed to learning new technologies and implementing best practices to enhance productivity and security.