

# SUMIRAN JAISWAL

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## EDUCATION

University of Maryland: A. James Clark School of Engineering  
Masters of Engineering, Software Engineering  
Course Highlights:

College Park, MD

Sept 2024 - Expected May 2026

- Software Engineering
- Secure coding for Software Engineering
- Software Design and Implementation

Devi Ahilya University: Institute of Engineering & Technology  
Bachelor of Engineering, Electronics & Telecommunication  
GPA: 9.12/10 First class honors, **top 2%** of class, Scholarship awardee.

Indore, MP

Aug 2019 - October 2023

## SKILLS AND CERTIFICATIONS

Languages: **C#** **Python** **C++** **JavaScript** **Java** **SQL** **Shell-Scripting**

Technologies and Frameworks: **ASP.NET** **Next.js** **FaceApi.js** **Pytest** **xUnit** **Moq** **Git**

Tools: Google Cloud Console, Burp Suite, DBeaver, Microsoft Suite

**Certifications: Patent | Associate Cloud Engineer, Google | Nurture Tek Knight, Cognizant**

## EXPERIENCE

Cognizant Technology Solutions  
Analyst

Hyderabad, India  
Jan – May, 2024

- Gained hands-on experience with Google Cloud Platform, including IaaS, PaaS, and SaaS offerings. Focused on **Compute Engine** and **Google Kubernetes Engine** to create and evaluate compute options, conducting cost vs. performance trade-off analysis to identify optimal solutions for stakeholders. Structured scalable data storage facilitating **8%** increase in requests.
- Explored AI and ML offerings like **Vertex AI** and **AutoML**, leveraging their APIs to derive meaningful insights from data stored in **Cloud Storage**.

## PROJECTS

Up-To-Date: News Aggregator Web App

A. James Clark School of Engineering

- Designed using **MVC** architecture in **ASP.NET core**. Utilized **Microsoft SQL Server** for backend database management. Leveraged **Razor Pages** for frontend using **CSHTML**.
- Leveraged **Entity Framework** as an ORM for database operations.
- Learned to build scalable applications with MVC, manage databases using Entity Framework migrations, and create dynamic interfaces with Razor Pages.

Smart Attendance Portal – **PATENT**

IET-DAVV

- Developed a web application to streamline the attendance process, replacing the manual system with a facial recognition-based solution using **FaceApi.js** for backend processing. Leveraged **React** for the frontend to create reusable components, enhancing efficiency and user experience.
- Reconfigured database to reduce the latency by **40%** enhancing the productivity.

## ACTIVITIES

Google Developer Students Club, UMD - **Technical Lead**

Sept 2024 – Present

- Organized a hands-on workshop to explore Google Cloud services, with a focus on Infrastructure as a Service (IaaS). Introduced participants to **Compute Engine** and demonstrated its utility for optimizing performance and reducing costs.
- Conducted interactive sessions on solving algorithmic problems using **C++** on LeetCode.