

# SUMIRAN JAISWAL

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## EDUCATION

### **Master of Engineering, Software Engineering**

Expected May 2026

University of Maryland: A. James Clark School of Engineering, College Park, MD.

**Course Highlights:** Software Engineering, Software Engineering Design and Implementation, Secure Coding for Software Engineering, Software & System Requirements, Software Test and Maintenance, Cloud Security.

**GPA:** 3.9/4

### **Bachelor of Engineering, Electronics & Telecommunication**

October 2023

Devi Ahilya University: Institute of Engineering & Technology, Indore, India.

**Course Highlights:** Object Oriented Programming in Java, Data Structures and Algorithms, Operating Systems, Computer Networks, Programming with C&C++, Computer Organization and Architecture.

**GPA:** 9.12/10, First class honors, **top 2%** of class, Scholarship awardee.

## SKILLS AND CERTIFICATION

### Technical Skills:

- **Programming Languages:** C#, Python, C++, Java, JavaScript, SQL, Shell-Scripting, HTML, CSS.
- **Frameworks:** Asp.Net Core, Node.js, Django, React, Entity Framework, Selenium, Pytest, xUnit, Moq.
- **Software Design:** Microservices, architectural patterns, design patterns, SOLID principles, OOP, SLO, SLA, SLI.
- **Tools:** Google Cloud Console, Git, Docker, Kubernetes, Visual Studio, VS Code, Postman, Microsoft Suite.
- **Project Management:** Agile, Scrum, Kanban, Jira.

### Soft Skills:

- Integrity, Effective Communication, Leadership, Teamwork, Critical thinking, Adaptability.

### Certifications:

- Patent, Associate Cloud Engineer – Google, Nurture Tek Knight – Cognizant.

## Work Experience

### **Intern, Google Cloud Team**

Jan – May 2024

Cognizant Technology Solutions Pvt. Ltd., Hyderabad, India

- Gained hands-on experience with IaaS, PaaS, and SaaS offerings of Google Cloud Platform (GCP), including Compute Engine, App Engine, GKE, Vertex AI, AutoML.
- Developed cost-effective cloud solutions, optimizing storage to increase request efficiency by 8%. Leveraged APIs to extract insights from Cloud Storage.
- Structured scalable data storage facilitating **8%** increase in requests.
- Received FTE offer (but opted to pursue Master's).

## PROJECTS

### **News Aggregator** (Technology Stack: ASP.NET Core, Microsoft SQL Server, CSHTML, Entity Framework)

- Developed a web application that provides users with the latest news in their area, incorporating **role-based authorization** for Authors, Readers, and Contributors. The development process followed a structured approach, starting with the **Software Requirements Specification (SRS)**, followed by the **System Architecture Design (SAD)**, then **testing**, and finally a **secure code review** to ensure reliability and security. This project enhanced my skills in application design, security, and performance optimization.

### **Smart Attendance Portal – PATENT** (Technology Stack: FaceApi.js, React, Database Optimization)

- Developed a web application to automate attendance tracking using facial recognition, saving professors significant time and effort. This solution replaced the manual system, increasing efficiency and accuracy. Filed and successfully received a patent grant for the innovation, demonstrating its impact and originality.

## ACTIVITIES

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

Sept 2024 – Present

- Conducted technical sessions and workshops for undergraduate students, helping them get familiar with new technologies. I guided them through practical applications, answered questions, and provided mentorship, fostering a collaborative learning environment.