

SUMIRAN JAISWAL

• sumi0309@umd.edu • 202-760-1163 • College Park, MD
• [LinkedIn](#) • [GitHub](#) • [Portfolio](#) • [GDG](#)

EDUCATION

Master of Engineering, Software Engineering & Cloud 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 & Telecommunications

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 CERTIFICATIONS

Technical Skills:

- **Programming Languages:** C#, Python, C++, Java, JavaScript, SQL, Shell, HTML, CSS.
- **Frameworks:** ASP.NET Core, Node.js, Django, React, Selenium, Pytest, xUnit, Moq.
- **Software Design:** Microservices, Architectural Patterns, Design Patterns, SOLID Principles, OOP, SLO, SLA, SLI.
- **Tools:** Git, Docker, Kubernetes, Visual Studio, VS Code, Postman, Microsoft Suite.
- **Project Management:** Agile, Scrum, Kanban, Jira.
- **Cloud:** Azure, AWS, Google Cloud, IAM, IaC, Terraform, CloudFormation, VPC, VPN, Load Balancing.

Soft Skills:

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

Achievements:

- Patent, Associate Cloud Engineer – Google, Nurture Tech 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.
- Planned 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.

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: face-api.js, React, Database Optimization)

- Implemented 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 Student 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.