

# SUMIRAN JAISWAL

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Results-driven Software Engineer pursuing a Master's in Software & Cloud Engineering at the University of Maryland, College Park (GPA: 3.9/4). Skilled in software development, secure coding, system architecture, and cloud technologies, with expertise in C++, Java, Python, and ASP.NET. Passionate about designing scalable, high-performance applications, demonstrated through projects like a patented facial recognition attendance system and a role-based news aggregator. Proficient in structured development methodologies, from Software Requirements Specification (SRS) to Secure Code Reviews. Eager to apply technical skills and academic knowledge to develop innovative, secure software solutions.

## Work Experience

### Google Cloud Team

Jan – May 2024

Cognizant Technology Solutions Pvt. Ltd., Hyderabad, India

- Gained hands-on experience with IaaS, PaaS, and SaaS on GCP (**Compute Engine, GKE, Vertex AI, AutoML**).
- Planned cost-effective cloud solutions and leveraged APIs to extract insights from **Cloud Storage**.
- Structured scalable data storage facilitating **8%** increase in requests.

### Frontend Team

Sept – December 2023

Supersourcing technologies Pvt. Ltd., Indore, India

- Acquired proficiency in **React and Angular**, building dynamic and responsive user interfaces.
- Designed and developed interactive dashboards using React and Angular to enhance **user experience**.
- Collaborated with cross-functional teams to integrate frontend components with **backend APIs**.

### Technical lead

Google Developer Student Club, UMD

Sept 2024 – Present

- Conducted technical sessions and workshops for undergraduate students on new technologies.
- Guided students through practical applications and provided mentorship.
- Fostered a collaborative learning environment by answering questions and offering support.

## SKILLS AND CERTIFICATIONS

- **Programming Languages:** C#, Python, C++, Java, JavaScript, SQL, Shell, HTML, CSS
- **Frameworks:** ASP.NET Core, Node.js, React, Django, Spring, Selenium, Pytest, xUnit, Moq
- **Software Design:** MVC, 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, XP, Jira
- **Cloud:** AWS, Google Cloud, Azure, IAM, IaC, Terraform, CloudFormation, VPC, VPN, Load Balancing

## Achievements:

- [Patent, Associate Cloud Engineer – Google](#), [Nurture Tech Knight – Cognizant](#)
- [Hackathon Winner @Georgia Tech – Hacklytics 2025](#)

## PROJECTS

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

- Developed a **web application** delivering news with role-based authorization using **ASP.NET core Identity**.
- Followed a structured development process, including **SRS, SAD, testing, and secure code review**.
- Strengthened skills in **application design**, security, and **performance optimization**.

**Smart Attendance Portal – PATENT** (Technology Stack: face-api.js, React, Firebase)

- Developed a web application for automated attendance tracking using **facial recognition**.
- Replaced the manual system, **improving efficiency and accuracy** for professors.
- Filed and successfully received a **patent grant** for the innovation.

## EDUCATION

**Master of Engineering, Software Engineering & Cloud Engineering**

May 2026

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

**Bachelor of Engineering, Electronics & Telecommunications**

October 2023

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

First class honors, **top 2%** of class, Scholarship awardee.