SUMIRAN JAISWAL

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EDUCATION

Master of Engineering, Software Engineering & Cloud Engineering   *May 2026*

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

> **Course Highlights**: 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

- **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

Technical Experience

Cloud Engineering Intern   *Jan – May 2024*

Cognizant Technology Solutions Pvt. Ltd., Hyderabad, India

- **Optimized** IaaS, PaaS, and SaaS services of GCP for a **25% improvement in workflow efficiency**.
- Developed **cost-effective** cloud solutions using APIs, optimizing Cloud **Storage retrieval time by 15%.**
- **Engineered** scalable data storage solutions, handling **8% more requests** while maintaining system reliability.

Software Engineering Intern   *Sept – December 2023*

Supersourcing technologies Pvt. Ltd., Indore, India

- **Built** dynamic and responsive UIs using React and Angular, **improving frontend performance by 20%**.
- **Designed and deployed** interactive dashboards with React and Angular, **boosting user engagement by 30%**.
- **Integrated** frontend components with backend APIs, **enhancing system efficiency by 10%**.

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.

ACHIEVEMENTS

- Patent – Indian Journal
- Hackathon Winner at Georgia Tech – Hacklytics 2025
- Associate Cloud Engineer – Google, Nurture Tech Knight – Cognizant

Leadership & Extracurricular

Technical lead   *Sept 2024 – Present*

Google Developer Student Club, UMD

- 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.