SUMIRAN JAISWAL

Analyst | Cloud Services | Software Development | Data Analysis | AI & ML

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EXPERIENCE

Google Developer Students Club, UMD – Technical Lead
University of Maryland
📅 09/2024 – Present   📍 College Park, United States
- 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.

Analyst
Cognizant Technology Solutions
📅 01/2024 – 05/2024   📍 Hyderabad, India
- 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
- Conducted 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

News Aggregator Web App
A. James Clark School of Engineering
📅 08/2024 – 12/2024   📍 College Park, United States
- 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
Institute of Engineering and Technology DAVV
📅 08/2024 – 12/2024   📍 Indore, India
- 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 productivity

EDUCATION

Masters of Engineering, Software Engineering
University of Maryland
📅 08/2024 – 05/2026   📍 College Park, United States
: A. James Clark School of Engineering
Course Highlights:
- Software Engineering
- Software Design and Implementation
- Secure coding for Software Engineering

Bachelor of Engineering, Electronics & Telecommunication
Devi Ahilya University
📅 08/2019 – 10/2023   📍 Indore, India
: Institute of Engineering & Technology
GPA: 9.12/10 First class honors, top 2% of class, Scholarship awardee
Course Highlights:
- Operating Systems
- Data Structures and Algorithms
- Computer Networks
- Object Oriented Programming

SUMMARY

I am a **Master's student in Software Engineering** at the University of Maryland. I have a passion for building efficient and innovative solutions using modern technologies. I aim to leverage my skills to solve real-world problems in the field of software engineering.

I have a solid understanding of software engineering fundamentals and the Software Development Life Cycle (SDLC). I strive for excellence in my work and enjoy interacting with people to share experiences and learn from others.

I am also **Google Cloud Certified Associate Cloud Engineer**, and I continue to expand my knowledge in cloud technologies.

KEY ACHIEVEMENTS

◈ **Database Optimisation Success**
Optimized database to cut latency by 40%, boosting Smart Attendance Portal efficiency.

◈ **Data Storage Design Impact**
Increased data request from scalable storage by 8% through strategic design.

◈ **Google Cloud Workshop Leader**
Led a Google Cloud workshop for 50+ participants, improving cloud service skills by 30%.

◈ **Academic Excellence**
Achieved top 2% ranking in class, securing a GPA of 9.12/10 in Bachelor's degree.

CERTIFICATION

Associate Cloud Engineer – Google Cloud

Patent – Indian Journal

SKILLS

Python   C#   C++   JavaScript   SQL   Bash

ASP.NET Core   Next.js   Pytest   xUnit   Moq   Git   Entity Framework   MVC

Google Cloud   Kubernetes   Burp Suite   DBeaver   Microsoft SQL Server   Microsoft Suite

IaaS   PaaS   Cloud Storage

FIND ME ONLINE

- LinkedIn
- GitHub
- Portfolio
- Leetcode
- GDG