SUMIRAN JAISWAL

Software Development | Cloud Services

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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.
- 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

- Developed end to end software consisting of SRS, SAD, Threat Modelling, Secure Design, Deployment.
- Designed using MVC architecture in ASP.NET core
- Utilized Microsoft SQL Server for backend database management
- Leveraged Razor Pages for frontend using CSHTML
- Learned to build scalable applications, manage databases using Entity Framework migrations, and create dynamic interfaces.

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
- Used 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
- Object Oriented Programming
- Data Structures and Algorithms
- Computer Networks

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

PTE Speaking 90/90

SKILLS

C#   Java   SQL   C/C++   Python   Bash

UX Design   SOLID Principles   Object Oriented Design   Design Patterns

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

Agile Development   Microservices   Docker   Kubernetes   Google Cloud   Microsoft SQL Server   Load Balancing

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