

Madhav Khurana

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EDUCATION

JIMS Engineering Management Technical Campus (Guru Gobind Singh Indraprastha University)

Aug 2020 – July 2024

Bachelor of Technology (B. Tech) in Computer Science

CGPA – 8.94

SKILLS

- Programming Languages: C, C++, Python.
- Cloud - **AWS** (Elastic Compute Cloud, AWS S3, VPC, Amazon Machine Image (AMI), Snapshot, IAM, Virtual networking, Virtual Machines, Internet Gateways etc.), **Azure** (Azure Machine Learning, SQL Database, Vnet, Blob Storage, VPC Peering, ARM templates etc.) & **GCP** (Compute Engine, Cloud Storage, Virtual Private Cloud etc.), Salesforce.
- Tools: Git & GitHub, Jenkins, Docker & DockerHub, Putty & Puttygen, Ansible.
- Core Subjects: Data Structures, Operating Systems, Networking.

EXPERIENCE

Ace Cloud [Real Time Data Services]

June 2024 – Present

Cloud Intern (AWS)

- Guided clients on cloud solutions, including architecture, infrastructure, and service selection, to align with their business objectives.
- Collaborated with clients to assess their cloud needs and delivered tailored recommendations for optimal performance and efficiency.
- Conducted AWS Well-Architected Reviews to ensure adherence to best practices in cloud security, scalability, and cost management.
- Optimized cloud infrastructure to reduce running costs while maintaining high performance and reliability.
- Ensured the implementation of best practices for cloud security and efficient resource usage.

CODSOFT

Aug 2023 - Sep 2023

C++ Programming Intern

[Projects](#) [Certificate](#)

- Developed a calculator, tic-tac-toe game, task scheduler, and number guessing game.
- Gained practical C++ experience, improving algorithms, data structures, and OOP skills.
- Applied software development methodologies and Agile practices.
- Acquired problem-solving, code optimization, and debugging skills.
- Exposure: C++, OOP, Agile Methodology.

SAOC IT Solutions

Nov 2022 - April 2023

Cloud-Devops Intern

[Certificate](#)

- Led training and managed client relationships at SAOC IT Solutions, including for ICICI Bank, NIIT, NatWest, NovelVista, and Capgemini.
- Directed projects and conducted training sessions, showcasing expertise in AWS, Azure, Git, Docker, and Ansible.
- Collaborated with NIIT University as a project trainer, enhancing skills in cloud computing and DevOps.
- Gained hands-on experience in cloud deployment, team leadership, AWS EC2, and virtual networking.
- Exposure: AWS, Azure, Git, Docker, Ansible.

PROJECTS

InsightVault : GenAI Based Precision Data Search Web App

[Website](#), [GitHub](#)

- Integrated GPT, GEN AI, and OpenAI with Snowflake for secure data processing and natural language capabilities, enabling PDF uploads up to 200 MB and tailored user prompts.
- Developed an intuitive Streamlit interface for easy user interaction and automated workflows for content generation, data extraction, and classification to boost efficiency and productivity.

Emotion based music recommendation

[GitHub](#)

- Implemented real-time emotion detection using Mediapipe and Keras to classify emotions (sad, angry, neutral, surprised) via webcam, and provided personalized music recommendations based on detected emotions and user preferences.
- Developed an interactive, user-friendly interface with Python, Streamlit, OpenCV, Mediapipe, and Keras, integrating YouTube search for music suggestions.

PUBLICATIONS

- **"DOCUMENT CLASSIFICATION AND DATA EXTRACTION"**

[LINK TO PUBLICATION](#)

IEEE JOURNAL OF APPLIED INTELLIGENCE AND COMPUTING, 24(3), pp. 45-52, 2024. AUTHORS: MADHAV KHURANA, ANNU MISHRA, RAVI CHATURVEDI, SHIKA NEGI.

POSITION OF RESPONSIBILITY

- Founder and President, Cloud Society at JEMTEC, organizing and presenting live seminars on Cloud Computing.

ACHIEVEMENTS

- Completed a C++ course offered by INFOSYS in January 2023.
- Secured 1st place in the Treasure Hunt, a coding-based competition at JIMS in December 2022.
- Achieved the second position in Code Trek at JIMS in May 2022.
- Attained the Explorer rank with [43 badges on Trailhead \(Salesforce\)](#).
- Actively contributed as a member of the ROTARACT CLUB at DAV Sreshtha Vihar from 2017 to 2020.