

Govind Singh Kathayat

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Education

Graphic Era Hill University, Bhimtal

B. Tech in Computer Science & Engineering

2022 - 2026

7.57/10 CGPA

PROFESSIONAL SUMMARY

Final-year B.Tech CSE student with hands-on experience in full-stack development using React.js, Node.js, PHP, and MySQL. Skilled in building scalable web applications, responsive UIs, and applying C++ and python for automation and machine learning. Strong foundation in DSA and OOP with Resilience across tech stacks. Spearheaded about architecting innovative solutions and leading projects that deliver measurable impact. Proven ability to learn fast, adapt to new technologies, and deliver real-world tech solutions.

Experience

AI-ML Virtual Internship (India Edu Program Google for Developers)

AICTE and EduSkills (Apr-June 2025)

Completed the Google AI-ML Virtual Internship with hands-on exposure to AI/ML concepts and real-world applications. Worked on data preprocessing, feature engineering, and building ML models using Python, OpenCV, and Scikit-learn.

Projects

Crypto Currency Tracker App (React)

- Developed a Cryptocurrency Tracker using React.js, Material-UI, and Chart.js with real-time and interactive visualizations and can track 100+ Cryptocurrency.
- Implemented advanced features such as search, filtering, and trending insights to enhance user engagement.
- Optimized state management and API handling to improve data refresh speed and reduce latency.

Healthcare Information and Administration System (Full Stack Web Development)

- Built a full-stack Healthcare Administration System with backend PHP, MySQL and Frontend HTML, CSS, and JavaScript.
- Real-time patient records, doctor assignments, appointment scheduling, and role-based access control and an admin Role feature to control management.
- Improved workflows with responsive and scalable UI, search functionality, and streamlined data management.

Human Action Recognition (ML & OpenCV)

- Architected and trained machine learning model **Resnet-34 Kinetics** for physical activity classification.
- Debugged and validated supervised learning models with preprocessing and evaluation pipelines, leveraging OpenCV for video labeling and frame handling.
- Result: Achieved 80%+ accuracy, enabling potential deployment in healthcare and fitness applications.

Technical Skills

Languages: C++ (OOP), SQL, Python, PHP, JavaScript, HTML, CSS.

Framework/Library: React.js, Node.js, OpenCV, NumPy, Pandas.

Developer Tools: Docker, Git, MySQL, VS Code.

Competencies: Web Development, DSA, OOP, Machine Learning, Agile Development

Soft Skills: Adaptability, Team Collaboration, Leadership.

Training Programs/Certifications

- Software Engineering Job Simulation - **JP Morgan Chase & Co.**
- AWS Cloud Practitioner Essentials - **AWS.**
- Introduction to SQL – **Data Flair.**
- Machine Learning – **Columbia University.**