



## Education

<b>B.Tech in Computer Science Engineering</b> <i>IIIT Dharwad</i>	<b>Dharwad, Karnataka</b> <i>2022-2026</i>
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## Technical Skills

- **Languages & Scripting:** JavaScript, TypeScript, C/C++, Python
- **Web & Backend:** React.js, Next.js, Node.js, Express, Multer, FFmpeg
- **Databases & Cloud:** PostgreSQL, MySQL, MongoDB, Supabase, Google Cloud Platform
- **Tools & Version Control:** Git, GitHub, Linux

## Projects

### Video Streaming Platform

#### *StreamItBroski*

- Developed a full-stack video streaming platform using Node.js, Express, FFmpeg, Multer for HLS video processing and MongoDB (Mongoose) for metadata storage.
- Implemented Google Cloud Storage (GCS) integration to store and deliver HLS video segments and thumbnails with gcp optimization for scalability.

### Multiplayer HumanBenchmark Game

#### *Reftlyx*

- Built a real-time multiplayer HumanBenchmark game using Socket.IO for WebSocket-based communication and Supabase for backend services.
- Implemented distributed game state logic with caching to ensure synchronized gameplay across users with minimal latency and real-time updates.

### Bridging Gaps Between Students and Opportunities

#### *Student ERP & Resume Analyzer*

- Built a full-stack ERP system using Node.js (Express) and MongoDB for student data management, resume uploads, and academic tracking.
- Developed Python-based resume analysis engine using pdfplumber, Pinecone, and GROQ API to evaluate resumes against job descriptions with AI insights.

### Vehicle Database Management System

#### *VehicleVault DB*

- Developed vehicle database management system using HTML, CSS for frontend and MySQL as Relational Database Management System with advanced search and filtering capabilities.

## Relevant Coursework

- **Core CS:** Data Structures & Algorithms, Object Oriented Programming, Database Management Systems
- **Systems:** Computer Networks, Operating Systems, Computer Organization & Architecture
- **Mathematics:** Discrete Mathematics, Linear Algebra, Probability & Statistics

## Certifications

### Google Cloud Skills Boost

#### *Google Cloud Certifications*

- Completed 10+ certifications across cloud computing, infrastructure, and data including Generative AI foundations.
- Gained hands-on experience with VPCs, IAM, Compute Engine, Load Balancing, Cloud Storage, and ML APIs.
- **Profile:** [cloudskillsboost.google/arjitverma](https://cloudskillsboost.google/arjitverma)

**Online**  
*2023*

## Co-curricular Activities

- **Technical Team Member:** Hackathon organization, infrastructure setup, and technical evaluation (2024)
- **Event Organizer:** Coding competitions, technical workshops, and programming bootcamps (2023-2024)
- **HR Point of Contact:** Technical conclave speaker coordination and industry networking (2024)