BHUVANA HAREENDRAN

B.Tech CSE – Cloud Computing | 2027
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LinkedIn | GitHub

SUMMARY

Computer Science undergraduate specializing in Cloud Computing with strong quantitative and analytical skills. Experienced in developing analytical dashboards using Python, SQL, Excel and Power BI . Proven ability to translate complex datasets into actionable insights, collaborate in fast-paced team environments, and deliver high-quality, detail-oriented outputs aligned with and operational decision-making.

EDUCATION

SRM University   2027
B.Tech- Computer Science and Engineering (Cloud Computing)   CGPA – 9.78

Balalok Matriculation Higher Secondary School   2023
Class XII – Tamil Nadu Stateboard | Bipc   Percentage – 90.1%

Balalok Matriculation Higher Secondary School   2021
Class X – Tamil Nadu Stateboard | Bipc   Percentage – 92%

EXPERIENCE

Research Intern | IIT–R Internship Certificate   Sept 2024 – Dec 2024
IIT – Roorkie | Stipend-based Remote Internship

- Supported academic research in Sanksrit language through data documentation, analytical interpretation, and structured reporting
- Created publication-ready LaTeX documents, ensuring precision and attention to detail
- Converted abstract mathematical concepts into clear visual models and diagrams using AutoCAD
- Demonstrated ownership of processes, documentation standards, and cross-team communication

PROJECTS

Real-Time Election Voting System | Project Screenshots
Aug 2025 – Oct 2025

- Built a real-time data processing pipeline using Kafka and Spark Streaming, handling high-frequency event data
- Automated data ingestion, transformation, and visualization workflows to improve operational efficiency
- Delivered sub-second analytical dashboards using Streamlit for real-time monitoring
- Containerized services using Docker, ensuring reliability and fault tolerance

Designing Intelligent Route Finding System using A* Search Algorithm
Mar 2025 - Apr 2025

- Designed and optimized an algorithmic path-finding system using A* search, reducing route computation time by ~40% through heuristic optimization
- Processed and analyzed large structured datasets representing city-scale maps
- Built data visualizations using Leaflet.js and OpenStreetMap to present outputs in a clear, consumable format

Calorify – Nutrition Tracking Website
Aug 2025

- Developed a data-driven web application for tracking and analyzing daily calorie intake
- Integrated a chatbot for rule-based user interaction
- Designed dashboards for data visualization and trend analysis

RESEARCH EXPERIENCE

Geometry of Brahmagupta

Sept 2024 – Dec 2024

- Conducted structured research involving data interpretation and mathematical modeling
- Translated ancient mathematical text in Sanskrit into modern analytical frameworks using AutoCAD
- Produced well-documented, review-ready research outputs using LaTeX

SKILLS

- **Programming Languages:** Java | Python | C++
- **Frontend**: React | JavaScript | HTML | CSS
- **Data & Analytics:** SQL **|** Excel | Power BI | Pandas | NumPy | Matplotlib
- **Design and Simulation Tools:** Canva | Figma
- **Tools and Technologies:** Linux commands | AWS | VS Code | Docker
- **Areas of Interest:** Data Analytics | Data Science | Cloud Computing

VOLUNTEERING

Samskrita Bharati

Volunteer | Research and Education

- Contributed to the promotion and preservation of Sanskrit through educational workshops and outreach programs.
- Assisted in organizing events, conducting basic language sessions, and managing digital content for awareness campaigns.
- Demonstrated teamwork, communication, and organizational skills

EXTRA CURRICULAR ACTIVITIES

Mentorship Program   July 2025 – July 2025

- Organized and conducted a 5-day youth workshop on Science and Technology in Sanskrit for college students via interactive sessions, cultural event, and personal development activities.
- Managed planning, logistics, and stakeholder communication

Hack the Horizon 2.0 Hackathon | Certificate   Aug 2025
Participant

- Built Calorify, a website to track daily calorie intake and manage nutrition.
- Integrated a chatbot for personalized dietary guidance and meal logging.
- Showcased rapid prototyping, problem-solving and teamwork in a 24-hour hackathon.

LANGUAGE

- English [Professional]
- Tamil [Native]
- Malayalam [Native]
- Sanskrit [Native]
- Hindi [Fundamental]