

BINDU MADHAVI V

Bengaluru, Karnataka, India

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PROFILE

Computer Science graduate with a strong foundation in backend development and RESTful APIs. Experienced in building full-stack applications, working with SQL/NoSQL databases, and deploying cloud-native services. Seeking a Software Engineer role to contribute to product-focused engineering teams.

EXPERIENCE

Cognizant Technology Solutions [↗](#)

May 2025-Present

Programmer Analyst Trainee

Bengaluru, India

- Designed and implemented a **Smart Health Analytics System** using Python and MySQL enabling structured storage and analysis of healthcare data.
- Developed and deployed a stateless **NodeJS REST API** on Google Cloud Run, focusing on scalability and efficient request handling.
- Worked with ETL pipelines, data warehousing concepts, and Hadoop ecosystem fundamentals to support analytics workflows.

UptoSkills [↗](#)

Oct 2024-Jan 2025

MERN Stack Intern

Remote

- Contributed to a **Mentor-Mentee dashboard** used to connect students with mentors nationwide.
- Designed and optimized backend API endpoints, improving error handling and overall system reliability.
- Collaborated with cross-functional teams to enhance user experience.

PROJECTS

Keeper [↗](#) | ReactJS, NodeJS, CSS

Jan 2025

- Developed a Google Keep-like notes application enabling users to create and delete notes seamlessly.
- Focused on clean component structure and responsive UI.
- Deployed the application on Vercel for fast and scalable hosting.

SyncSketch: A Real-time collaborative drawing app [↗](#) | ReactJS, NodeJS, WebSockets

Aug 2024

- Built a real-time collaborative drawing platform using WebSockets to synchronize canvas updates across multiple clients with low latency.
- Implemented room-based sessions, shared state management and integrated real-time chat functionality.
- Added features such as undo/redo, clear canvas and host-controlled drawing sessions.

TECHNICAL SKILLS

Languages: C++, Python, Javascript, SQL

Backend: NodeJS, ExpressJS, Rest APIs

Databases: MySQL, PostgreSQL, MongoDB

Frontend: ReactJS, HTML, CSS

Tools: Git/Github, Postman, VS Code

EDUCATION

Global Academy of Technology

Dec 2021 – July 2025

B.E - Computer Science and Engineering - CGPA - 9.61

Bengaluru, India

PUBLICATIONS

Federated Learning for Cybersecurity: A Promising Frontier ICICAT 2024 (IEEE)

Detection of PCOS Leveraging Machine Learning and Interpretation Using Explainable AI InCoWoCo 2024 (IEEE)