

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
<i>Programmer Analyst Trainee</i>	Bengaluru, India
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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 <i>B.E - Computer Science and Engineering - CGPA - 9.61</i>	Dec 2021 – July 2025 Bengaluru, India
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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)