

Saiyam N Bothra

+91-8660528056 | saiyam983@gmail.com

[GitHub](#) | [LinkedIn](#)

EDUCATION

RV Institute of Technology and Management, Bengaluru	<i>2023–Expected 2027</i>
Bachelor of Engineering in Computer Science and Engineering	CGPA: 9.26
Ryan International School, Bengaluru	<i>2021–2023</i>
Central Board of Secondary Education (CBSE), Bengaluru, Karnataka	Percentage: 78%
Dream World School, Ballari	<i>2011–2021</i>
Central Board of Secondary Education (CBSE), Ballari, Karnataka	Percentage: 90.5%

EXPERIENCE

Capabl (Virtual Internship)	<i>October 2025–Present</i>
<i>AI Agentic Development Intern</i>	Bengaluru
<ul style="list-style-type: none">Developed Financial agentic AI system capable of performing autonomous financial data analysis, risk evaluation, and report generation, reducing manual workload by 40%Integrated React Hooks and Tailwind CSS for modular, responsive and reusable components for 2+ projectsCollaborated with AI team to link ML-driven prompt optimization modules using Google Gemini APIs and LangChain workflowsParticipating in project-based sprints, contributing to architecture discussions, code reviews and prompt optimization workflows to boost agent accuracy by 20%	
PERSONAL PROJECTS	
Wally — Personal Finance Management App [Link] <i>Aug 2025–Present</i>	

<i>React Native, TypeScript, Expo</i>	
<ul style="list-style-type: none">Developed offline-first mobile app with transaction tracking, multi-account management, and real-time balance calculationsBuilt data persistence using AsyncStorage with secure export/import functionality and JSON validationDesigned dark-themed UI with custom assets, animations, and financial analytics charts for spending pattern analysis	
Krishi AI — Smart Agriculture App [Link] <i>Sept 2025</i>	
<i>React Native, TypeScript, REST APIs, SQLite3, TensorFlow Lite</i>	
<ul style="list-style-type: none">Cross-platform AI app providing soil, crop, and irrigation recommendations to farmersIntegrated TensorFlow Lite for on-device crop-health predictions offline data storage using SQLiteOptimized React component rendering achieving 25% faster runtime smoother UI	

Market Basket Analysis — Customer Purchase Prediction [Link] <i>2024</i>
<i>Python, Pandas, Scikit-Learn, Apriori & FP-Growth Algorithms</i>
<ul style="list-style-type: none">Developed association-rule mining system to predict customer purchase patterns using Apriori and FP-GrowthGenerated data-driven product recommendations based on frequent itemsets & lift confidence metricsVisualized insights and rules for retail decision optimization
TECHNICAL SKILLS AND INTERESTS
Languages: C++, JavaScript(ES6+), SQL, C, Python, Java(Basics), HTML5, CSS3

Designing Softwares: Adobe Premiere Pro, After Effects, Photoshop, Illustrator, Canva

Developer Tools: Git & GitHub, VS Code, Cursor, Postman, Vercel, Figma, Expo

Frameworks: React.js, Node.js, Express.js, Tailwind CSS, REST APIs, Webhooks, React Native(Basics)

Cloud/Databases: MongoDB, Firebase, NoSQL, SQLite3

Soft Skills: Problem Solving, Leadership, Adaptability, Team Collaboration

Coursework: Data Structures and Algorithms, DBMS, Operating Systems, Computer Networks

Areas of Interest: AI-Powered Product Development, Full-stack Development, Product Engineering, Scalable Web Architecture

ACHIEVEMENTS

Research Publications	Theoretical Computer Science (Q2), CMC-Computers, Materials and Continua (Q2), NCDTE Conference Publication.	<i>2024–2025</i>
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Winner in Graphic Designing and Video Editing Intercollege Competition, 2024

Certifications Web Development Bootcamp 2025, A-Z Machine Learning in Python and R (Udemy) *2025*

Workshops Agentic AI Saksham, Introduction to Cybersecurity, *2025*