Hamzah Ahmad

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EDUCATION

B.M.S. College of Engineering			2023 – present
B.E., Information Science.	*CGPA 9.09/10*		Bengaluru, India
Tyndale Biscoe School			2022
State Board of School Education. Class XII		*Percentage: 92.8%*	Srinagar J&k
Tyndale Biscoe School			2020
State Board of School Education. Class X.	*State Rank:3*	*Percentage: 99.2%*	Srinagar J&K

PROJECTS

Automated Token Management System(React.js, Next.js, MongoDB, TypeScript, Tailwind CSS, Vercel) https://v0-automated-token-system.vercel.app/ — 06/2025 – 07/2025
• Built an automated student registration system, cutting manual processing time by **80%** and replacing paper-based tokens. • Developed **QR-based validation** for instant verification and real-time attendance tracking. • Designed a **live analytics dashboard** to monitor registrations, roles, and validation rates.

Library Management System (React.js, TypeScript, SQL) https://v0-library-management-system-nine-nu.vercel.app/ — 02/2025 – 06/2025
• Built a **full-stack app** to manage 1000+ books and 500+ users with real-time borrowing, role-based access, and automated workflows.
• Implemented secure login, dynamic dashboards, smart search, overdue alerts, and fine tracking and a responsive UI using Tailwind CSS

Real-Time Quiz & Evaluation System, (Fundamental Unix, FIFO Pipes) — 10/2024 – 12/2024
- Built a real-time quiz platform enabling interactive Q&A between teachers and students using named pipes for synchronized communication.
- Integrated automated grading via file handling, cutting manual effort by 50%.

SKILLS

- Languages -C, C++, Java, JavaScript, TypeScript
- Web Technologies: HTML, CSS, React.js, Node.js, Express.js, Next.js
- Databases : MongoDB, SQL, PostgreSQL
- CI/CD & Testing : Git, GitHub, Postman, Vercel
- Core Skills — Data Structures and Algorithms, OOPS, OS,DBMS, Computer Organization and Architecture, Unix, Shell Scripting
- Soft-Skills — Problem-Solving, Debugging, Critical Thinking, Adaptability, Leadership, Communication, Time Management.

ORGANIZATIONS

ISE Department Council, Organizing Member	2023 – present
Cultural Fest UTSAV, Junior Coordinator	2024
Technical Fest Phaseshift, Junior Coordinator	2024

LEADERSHIP AND EVENT ORGANIZATION

- **Organized a Git Workshop** on version control best practices.
- **Volunteered in a Capture the Flag (CTF) Competition**, promoting cybersecurity and hands-on problem-solving.
- **Spearheaded 'Beyond the Lens'**, a non-tech event fostering creativity visual media.
- **Served as School Head Boy**, demonstrating leadership, teamwork, and organizational skills in managing school activities and student representation.