ARYAN V NAIR

⚲ Bengaluru, Karnataka | ☎ +91 9127421970 | ✉ aryanvijay317@gmail.com

🌐 www.linkedin.com/in/aryan-nair-686716361/| https://github.com/aryanvnair123

🎓 EDUCATION

Bachelor of Engineering (B.E) in Computer Science and Engineering
JSS Academy of Technical Education, Bengaluru (2022–2026)

CGPA: 7.2 / 10

- **Relevant Coursework:** Data Structures, DBMS, Operating Systems, Computer Networks, Machine Learning, Computer Organization, Software Engineering, Project Management

---

💻 TECHNICAL SKILLS

- **Languages:** C, C++, Python, Java, JavaScript

- **Web Technologies:** HTML5, CSS3, React.js, Node.js, PHP, AJAX, jQuery

- **Databases:** MySQL, MongoDB

- **Tools & Platforms:** Git, GitHub, VS Code, Postman, Docker

- **Other:** DSA, OOPs, REST APIs, Firebase, AWS (Basics)

📦 PROJECTS

Next-Gen Collaborative Video Conferencing Platform

Full Stack Web App | React.js, Vue.js, Node.js, WebRTC, Socket.io, Firebase, PostgreSQL, MongoDB, AWS

- Developed a multi-user conferencing platform with real-time collaboration tools (Monaco Editor, Excalidraw, Quill.js).

- Integrated WebRTC (PeerJS, Mediasoup) with NAT traversal via Coturn and SFU architecture.

- Built RESTful APIs with Express.js/NestJS; enabled real-time sync (chat, cursor, whiteboard) using Socket.io and Firebase.

- Implemented secure authentication (Firebase Auth, JWT, OAuth 2.0); managed app state with Redux and Pinia.

- Deployed using AWS EC2 and Firebase Hosting; handled storage with AWS S3 and Firestore.

Stock Market Visualization & Prediction Tool

ML/Data Analytics | Python, Pandas, NumPy, scikit-learn, Matplotlib

- Built a tool to analyze and predict stock trends using linear regression on historical data.

- Performed data wrangling and visualization using pandas and Matplotlib.

- Trained models with scikit-learn; generated investment insights based on predictions.

Smart Student & Course Management System

Full Stack Java App | Java, Swing, JSP, Servlets, JDBC, MySQL

- Created an academic management platform for student/course records and performance tracking.

- Built an admin GUI with Java Swing; developed web modules using JSP & Servlets with session management.

- Followed MVC architecture and used JDBC for CRUD operations and Java Collections for data handling.

Expense Tracker (CLI & GUI)

Finance Utility | Python, Tkinter, CSV

- Developed a cross-interface expense tracking app with both CLI and GUI.

- Enabled categorized expense logging, daily summaries, and persistent storage via CSV files.

Cloud Note Keeper

Cloud-Based App | React.js, Node.js, MongoDB, Express.js, AWS EC2

- Designed a secure note-taking application with user authentication and cloud syncing.

- Implemented full CRUD functionality; deployed backend on AWS EC2, used MongoDB Atlas for storage.

📌 OTHER DETAILS

- **Languages Known:** English, Hindi, Malayalam,Kannada

- **Extracurriculars:** Participated in the debate competiton at the university level | Participated in the elocution competition at the university level | Part of the college drama team (acting and scriptwriting)

- **Availability:** Immediate

- **Willing to Relocate:** Yes

- **Hobbies:** Writing, Solving puzzles, Reading novels