AYUSH MISHRA

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PROFESSIONAL SUMMARY

Full-Stack Developer skilled in designing scalable web applications using React, Node.js, Express.js, and PostgreSQL. Experienced in building secure RESTful APIs with JWT authentication, and deploying apps in agile, team-based environments. Adept at database optimization, cross-platform UI design, and API integration.

TECHNICAL SUMMARY

- **Languages:** C, C++, Java, Python, HTML, CSS, JavaScript, SQL (PostgreSQL)

- **Frontend**: React.js, HTML5, CSS3, Tailwind, Material UI, Radix UI, Tkniter

- **Backend**: Express.js, Flask, REST APIs, Node.js, JWT (JSON Web Tokens), Passport.js, FAST API

- **Databases**: PostgreSQL

- **Tools**: Git, Figma, Postman, Babel, Docker (beginner)

EDUCATION

Indian Institute of Information Technology Vadodara   Gandhinagar, India

B.Tech in Computer Science and Engineering, 5th semester | *8.22 CGPA*   Sept. 2023 – July. 2027

Delhi Public School Kalyanpur   Kanpur, India

Grade 12 Completed | 90%   July 2022

EXPERIENCE

Software Developer Intern (May-July 2025)

- Developed new dashboard features with seamless backend integration, improving user experience and reducing page load by 20%."
- Built a report generator for large datasets with advanced filters, improving staff efficiency by 30%.

PROJECTS

BalanceBuddy (ExpressJS, React , PostgreSQL)

- Built a full-stack expense-sharing app used by 25+ users to manage group expenses, reducing manual calculations by 90%
- Integrated session-based authentication using Express middleware, enhancing user data security and enabling personalized dashboards
- Optimized SQL queries and indexed tables, reducing transaction load time by ~30%.
- Assembled a responsive frontend with reusable components using React and MaterialUI.
- Designed RESTful backend APIs to enable live updates of group balances and transaction logs across clients.

StarStream (React, Express.js, PostgreSQL, OpenCV, Python, Mediapipe)

- Led the development of a gesture-controlled EdTech solution with <200ms recognition latency, enhancing learning accessibility for 50+ hearing-impaired students..
- Connected Python's OpenCV + Mediapipe module with Node.js backend using IPC for real-time gesture recognition with <200ms latency.
- Developed 5+ gesture-driven learning modules and gamified quizzes, increasing accessibility for differently-abled users.
- Designed React-based drag-and-drop MCQ engine and number puzzle games, enabling interactive learning with visual input triggers.

HACKATHONS

- Hack the Future (2025): Designed an EdTech platform (StarStream) aimed at enhancing accessibility for differently-abled children.
- HackIIITV (2024): Built a dynamic news summarization platform with live article fetching and automated condensation.

ACHIEVEMENTS

- Codechef rating 1400+ (2★),
- Codeforces rating 900+