Gavin Durai

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SUMMARY

Computer Science graduate skilled in full-stack web development using React, Node.js, and Next.js. Experienced in building AI-powered and real-time web applications. Quick learner with a strong foundation in programming, databases, and modern development tools.

EDUCATION

University of Mumbai   **April 2025**

Bachelor of science in Computer Science

- CGPA - 7.8 | Courses: Object-oriented programming, Database Management, Operating systems, Discrete mathematics, AI/ML.

PROJECTS

AI Medical Voice Agent | *Next. js, React, TypeScript, AssemblyAI, Clerk, Neon DB*

- Developed a real-time AI medical voice assistant to capture patient symptoms via voice for improved healthcare accessibility.
- Implemented secure authentication and user access, enabling doctors and patients to manage consultations and medical history.
- Automated medical report generation by analyzing patient voice data for structured insights and recommendations.
- Integrated subscription and billing workflows to support scalable deployment of virtual healthcare consultations.

Bolt.New Clone – AI-Powered Code Generator | *Next. js, React, Tailwind CSS, Convex, Gemini AI*

- Developed a SaaS app inspired by Bolt.new that lets users generate and export React.js code through AI-driven prompts.
- Integrated the Gemini AI API to power real-time code generation for components, pages, and layouts in React.
- Used Convex to handle backend logic, authentication, and real-time data syncing.
- Built an intuitive and mobile-friendly UI with Tailwind CSS and deployed on Vercel for demo/testing.
- Tested core features like code view, file structure generation, and chat interface with a small developer group.

Tic Tac Toe – Multiplayer Game | *React. js, Node. js, Socket. IO, Tailwind CSS*

- Built a real-time multiplayer Tic Tac Toe game with live player interaction using **WebSockets (Socket.IO)**.
- Implemented game logic, move validation, and win/draw conditions using **React state management**.
- Enabled two-player matchmaking and live chat with **Node.js backend** and real-time data sync.
- Styled the UI with **Tailwind CSS** for a smooth, responsive gaming experience.
- Tested on multiple devices and browsers to ensure seamless gameplay and sync between players.

SKILLS

- **Programming Languages**: Javascript, SQL, Python, Typescript
- **Web Technologies**: ReactJs, NodeJs, NextJs, Tailwind CSS, HTML5, CSS3
- **Databases & Others:** PostgreSQL, MongoDB, MySQL, Git, Github, Vercel, Power BI