

Mohammed Aayan Pathan

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Summary

Passionate full-stack developer and aspiring computer scientist with a focus on applied AI, data-driven web apps, and impactful user experiences. Proven track record of building real-world projects with modern technologies.

Education

A-Levels

GEMS Founders School - Al Barsha • Dubai, UAE
06/2026

A-Levels: Predicted A*AA at AS-Level.

Subjects studied include: **Math, Further Math, Computer Science and Physics.**

GCSE/iGCSE

GEMS Founders School - Al Barsha • Dubai, UAE
08/2024

GCSEs: Achieved grades **999988877**, equivalent to **A*A*A*A*A*A*A*AA**.

Subjects studied include:

Further Pure Mathematics, Mathematics, Physics, Chemistry, Computer Science, English Language and Literature, Psychology, and Business Studies.

Projects

FormulaMetric

React, Node.js, MySQL, Express, Tailwind

Built a full-stack F1 performance analytics app using real-world data. Designed custom statistical models to score and compare drivers across multiple seasons. Features include driver selection, metric gauges, team logic, and MySQL-backed API.

Voxa Voice App

Next.js, TypeScript, Tailwind, Firebase, AssemblyAI, OpenAI

Created a public speaking assistant with real-time transcription and AI feedback. Implemented full-stack logic, live speech capture via AssemblyAI, and adaptive feedback using OpenAI. Led UI/UX design and back-end structure.

Portfolio Website – aayanpathan.com

React, TypeScript, TailwindCSS

Personal site showcasing projects and achievements. Includes dynamic animations, loading logic, Vanta backgrounds, and contact form integration with EmailJS.

Skills

NextJS, TypeScript, Tailwind, Node.js, Express.js, Firebase, MySQL, JavaScript, Python, GitHub, Figma

Experience

Product and App Development Intern

Voxa Voice App • Dubai, UAE (remote)

07/2025 - 07/2025

- Developed a full-stack voice training app using Next.js and Firebase.
- Specialized in front-end design using TailwindCSS to build user-friendly interfaces.
- Utilized AssemblyAI APIs for live transcription and OpenAI GPT for speech feedback.
- Managed GitHub repository and led deployment via Vercel.
- Collaborated with teammates to ensure seamless feature integration.
- Conducted user testing to gather feedback for iterative improvements.
- Demonstrated proficiency in prototyping UI designs using Figma.

Student Intern - Team Leader

8BillionIdeas • Dubai, UAE

06/2024 - 06/2024

- Led a team in developing and implementing a comprehensive marketing strategy for rebranding a company.
- Collaborated with team members to create wireframes and prototypes for website redesign.
- Implemented user-friendly UI/UX design principles to enhance website functionality.
- Conducted market research to inform design decisions and maximize user appeal.
- Led the team through the end-to-end rebranding process, fostering collaboration and creativity.
- Presented design concepts to stakeholders for feedback and approval.

Awards

Top CS Student Award – GEMS Founders, April 2025