Mohammed Aayan Pathan

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Dubai, UAE

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 and a strong interest in scalable AI systems.

Education

A-Levels

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

A-Levels: A* in Mathematics, A in AS Physics (*predicted* A* in Further Math, A in CS and Physics)

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

GCSE/iGCSE

GEMS Founders School - Al Barsha • Dubai, UAE   06/2024

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

Subjects studied include:
Mathematics, Computer Science, Chemistry, Psychology, Physics, Business Studies, English Literature and Language, Further Pure Mathematics

Experience

Junior Engineering Associate - Full-Stack Web Developer

Voxa Voice App • Dubai, UAE (remote)   10/2025 - Present
- Refactoring the Voxa MVP into the 1.0 version.
- Optimizing codebase structure and dealing with merge conflicts and handling version control workflows.

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, with 5+ **core** features.
- Specialized in front-end design using TailwindCSS to build user-friendly interfaces.
- Implemented 2 Integrated APIs: AssemblyAI APIs for live transcription and OpenAI GPT for speech feedback.
- Managed GitHub repository and led deployment via Vercel (in just weeks).
- Collaborated with a team of 3 to ensure seamless feature integration and development cycles.
- Conducted user testing (over 30 testers) 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 hypothetical company.
- Collaborated with team members to create wireframes and prototypes for website redesign.
- Implemented user-friendly UI/UX design principles to enhance website functionality.
- Led the team through the end-to-end rebranding process, fostering collaboration and creativity.

- Presented design concepts to stakeholders for feedback and approval.

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

Awards

Best Summer Intern - Voxa Voice App, International CS Competition Pre-Finalist 2025 (with honors), Best Student - Computer Science Year 12 Cohort (2024-2025), 2x UKMT Bronze