ALAN BABYCHAN

SOFTWARE DEVELOPMENT ENGINEER

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PROFILE

Motivated and innovative **Computer Science graduate** with a strong foundation in **web development, networking, and database management**. Experienced in **React, Tailwind CSS, Next.js, UI/UX design**. Passionate about **building responsive, user-friendly web applications** and continuously improving technical skills. Successfully led and contributed to various projects, including an **e-commerce platform for mobile accessories** and a **startup focused on autism detection in infants**. Winner of **YIP 5.0 District Level Competition** for innovative solutions in technology.

PROFESSIONAL EXPERIENCE

Software Engineer - Covermatch Technologies FZCO
- Developing a **scalable company web application** using **React.js**, **AWS**, **Python**, and **Restful APIs.**
- Building **responsive and interactive interfaces** with **Next.js** and **Tailwind CSS**, integrating **backend APIs** and **authentication systems**.
- Implementing **CI/CD pipelines** using **GitHub Actions** to automate deployment and enhance development efficiency.

Founder of Autism Detection (Startup)
- This **startup project** was selected as the **District Level Winner in YIP 5.0** for its innovative approach to **autism detection in infants**.
- Developed **AI-driven autism detection platform** for infants. Integrated **machine learning models** with a **user-friendly interface**.
- Ensured **data security** and **real-time analytics**.

Freelance Web Developer
- Built **responsive web apps** using **React.js**, **Next.js**, and **Tailwind CSS**.
- Integrated **backend APIs** and automated **CI/CD** deployments via **GitHub Actions**.

Network Administrator & IT Support
- Designed and maintained **LAN/WAN networks**, routers, and firewalls.
- Provided IT support and optimized **network performance**.

Operations, Marketing – ByteHead & Mystique Resort
- Led **marketing, branding, and client relations**.
- Managed **guest bookings, travel coordination, and hospitality**.
- Optimized **business operations & financial tracking**.

EDUCATION

B.Tech - Computer Science and Engineering, COLLEGE OF ENGINEERING MUNNAR
2019 – 2023 | Munnar, India

SKILLS

Programming
C/C++/Python/Java/Javascript

Database Management
MySQL/NoSQL/MongoDB

Front-End Development
React.js/HTML/CSS/Next.js, Tailwind CSS

Version Control & DevOps
Git, GitHub Actions, CI/CD, Docker

Networking
LAN/WAN, Routers, Switches, Network Security

INTERESTS

- Artificial Intelligence & Machine Learning
- Networking & Cybersecurity
- Digital Marketing & Business Operations

LANGUAGES

English: Speak, Read, Write | **Tamil:** Speak |
Malayalam: Speak, Read, Write |
Hindi: Speak,Read,Write

ACHIEVEMENTS

*** Winner – YIP 5.0 District Level Competition – Led a team in building an innovative project. Designed and developed a machine learning-based platform for early autism detection in infants, collaborating with healthcare professionals.**

*** Developed an E-commerce platform for a mobile accessories store and optimized LAN/WAN network infrastructure, enhancing performance and security for multiple clients.**