Arin Balyan

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PROFESSIONAL SUMMARY

Software Developer and Full Stack Web Developer with expertise in designing and developing scalable applications using the MERN stack. Proficient in JavaScript, React.js, Node.js, and MongoDB, with strong experience in building RESTful APIs, database management, and backend optimization. Proficient in software development best practices, including data structures, algorithms, and system design.

EDUCATION

Bachelor of Technology in Electronic and Communication Engineering   2022-2026
Indian Institute of Information Technology, Manipur   *CGPA: 8.20 (up to Semester 5)*

TECHNICAL SKILLS

- **Programming Languages:** JavaScript, Python, C/C++, Java, TypeScript
- **Frontend:** HTML5, CSS3, JavaScript (ES6+), React.js, Bootstrap, Tailwind CSS, Responsive Design
- **Backend:** Node.js, Express.js, REST APIs, Authentication/Authorization, WebSockets
- **Databases:** MongoDB, MySQL, PostgreSQL, Database Design, SQL/NoSQL
- **DevOps & Tools:** Git, GitHub, VS Code, npm
- **Key Courses:** Object-Oriented Programming, Artificial Intelligence, Machine Learning, Data Structures and Algorithms

PROFESSIONAL EXPERIENCE

Ethical Hacking and Penetration Testing - Virtual Internship   December 2024 - January 2025
Centre for Development of Advanced Computing (C-DAC), Noida   *Online*

- Executed penetration testing techniques, identifying and mitigating 20+ security vulnerabilities
- Built automated scripts to streamline vulnerability assessments, improving efficiency by 30%
- Analyzed real-world cyber threats and strengthened web application security using OWASP Top 10 principles

PROJECTS

Rubik's Cube Solver - Korf's IDA* Algorithm
Algorithmic Problem-Solving and Optimization   *Dec 2024 - Feb 2025*

- Achieved a solving time of under 3 seconds for a Rubik's Cube jumbled 8 times, using BFS, DFS, and IDDFS algorithms.
- Achieved a solving time of under 10 seconds for a Rubik's Cube jumbled 13 times, using Korf's IDA* Algorithm.

Multi lang dictationary - Full Stack Web Application
Personal Project | Tech Stack: MongoDB, Node.js, Express.js, EJS, Passport.js   *April 2024 - May 2024*

- This project is built using HTML, CSS, SQL, and PHP, providing translations and images for words. When a word is identified as a noun, it displays its corresponding image along with its name in other languages, enhancing understanding and visualization.

CERTIFICATIONS & LEADERSHIP

- **NPTEL Certification** - The Joy of Computing Using Python (Jul - Oct 2024) | Scored 94/100
- **Ahouba 2.0** | Ranked third place in competitive programming in Techfest
- **Codechef** | 3-Star at codechef and 1001 at codeforces
- **Web Development Bootcamp** - Udemy (Mar 2024) | 65-hour comprehensive training
- **Team Lead - Smart India Hackathon 2024** (Aug 2024) | Led team of 6 developers using Agile methodology
- **Competitive Programming** | Solved 400+ algorithmic problems on LeetCode, HackerRank, CodeChef,Codeforces

ADDITIONAL INFORMATION

- **Soft Skills:** Team Leadership, Communication
- **Expertise:** Full Stack Development and Software Development