AYUSH THAKARE

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SUMMARY

Results-driven Software Engineer with expertise in MERN Stack, AI/ML, and cloud computing. Adept at developing scalable web applications, solving complex DSA problems, and optimizing system performance. Passionate about building user-centric solutions and continuously learning new technologies to drive innovation.

EDUCATION

Bachelor of Technology in Computer Science and Engineering 2022 - Present
Vellore Institute of Technology, Bhopal CGPA: 8.88

HSC, Class XII 2022
Vishwas Junior School, Nagpur 84%

CBSE, Class X 2020
Jagat Public School, Nagpur 93.2%

TECHNICAL SKILLS

- **Programming Languages:** C++, JavaScript, Python, Java, TypeScript
- **Web Development:** MERN Stack (MongoDB, Express.js, React, Node.js), Next.js, Tailwind CSS, Bootstrap, RESTful APIs, GraphQL
- **Database Management:** MongoDB, MySQL, Firebase, PostgreSQL
- **Version Control CI/CD:** Git, GitHub, Docker, Vercel, Jenkins, GitHub Actions
- **Cloud DevOps:** AWS (EC2, S3, Lambda, DynamoDB), Firebase, Kubernetes, Terraform
- **Tools Platforms:** Figma, Postman, VS Code, JIRA, Trello

ACHIEVEMENTS

- Academic Excellence Award: Achieved 8.88 CGPA in core computer science courses.
- Top Competitive Coder: Solved 400+ DSA problems on LeetCode, CodeChef, and CodeForces.
- Web Development Projects: Successfully developed and launched multiple MERN stack applications with 1,000+ active users.

CERTIFICATIONS

- The Bits and Bytes of Computer Networking – Coursera
- An Introduction to Artificial Intelligence – NPTEL
- DSA in C++ – PW Skills
- Full-Stack Web Development with React – Udemy

PROJECTS

1. **StudyNotion – E-Learning Platform (MERN Stack)**
   - Developed a full-fledged online learning platform that enables instructors to create, manage, and sell courses.
   - Built using MongoDB, Express.js, React, and Node.js, ensuring scalability and high performance.
   - Implemented features like course creation, quizzes, progress tracking, secure authentication, and payment integration.
   - Designed a dynamic dashboard for students and instructors to enhance user experience and engagement.

2. **Disease Prediction using Machine Learning**
   - Developed a machine learning-based disease prediction model achieving 93% accuracy.
   - Implemented Support Vector Classifier, Gaussian Naïve Bayes, and Random Forest algorithms.
   - Utilized K-Fold cross-validation to ensure high model performance and reliability.
   - Processed 10,000+ patient records, handling missing values and feature scaling for optimized performance.
   - Conducted feedback collection from 50+ medical professionals, improving model usability by 25%.
   - Technologies Used: Python, Scikit-Learn, Pandas, NumPy

EXTRACURRICULAR ACTIVITIES

- Active member of Google Developer Student Club (GDSC) at VIT Bhopal.
- Technical blogger on Medium, publishing articles on web development and AI.
- Collaborated developers in MERN stack and DSA problem-solving strategies.