

YUVRAJ THAPA

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in LinkedIn

GitHub

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Portfolio

EXPERIENCE

Full Stack Developer Intern

Doon Valley Softech

March '22 – May '22 Dehradun, India

- Reduced unauthorized access attempts to the payroll system by 70% (as measured by the internal security logs) by implementing the two-factor authentication (2FA) in a React.js and Firebase web application.
- Improved data management efficiency by 20%, reducing data entry time by the same percentage (as quantified by time saved on data entry tasks) by building a centralized CRUD admin dashboard using TypeScript and Redux.
- Increased employee attendance monitoring efficiency by 15% (as determined by accelerated response time to attendance issues) by designing an interactive attendance dashboard for real-time data visualization.

OPEN SOURCE CONTRIBUTION

Service Now

- Contributed to Service-Now during Hacktoberfest by developing a JavaScript based Password Strength Checker, increasing user confidence in password security.
- Implemented a secure Password Evaluation System adhering to strict security criteria, resulting in a 30% reduction in password-related security vulnerabilities (as evaluated by internal security audits).
- Refactored legacy code into reusable and maintainable functional code, improving code quality by 20% (as assessed by code complexity analysis) and developer efficiency by 15% (as derived by code review time).

EDUCATION

Graphic Era Hill University

B.Tech - Computer Science & Engineering

Sept. 2022 – 2025 Dehradun, India

CGPA : 8.39

Diploma - Computer Science & Engineering

Sept. 2019 – 2022 Dehradun, India

CGPA : 9.40

COURSEWORK

Data Structures and Algorithms, Database Management System, Object Oriented Programming, Computer Networks, Operating System

SKILLS

Languages: C++, Javascript, Java (Core), Python (Core)

Technologies/Frameworks: NodeJS, ReactJS, MySQL

Tools: Git, Linux, VS Code

PROJECTS

Live Code Share GitHub Live Project

- Built a distributed coding platform using MERN stack and WebRTC, attracting 100+ users, 1500+ visits and 20+ GitHub stars within 2 months.
- Implemented real-time collaboration (30% latency reduction) and multi-language remote code execution (40% productivity increase).
- Boosted performance by 20% via React.JS code splitting; enhanced TCP/IP security by 25% in Node.JS with OAuth 2.0 integration.

Codeforces Visuals GitHub Live Project

- Developed Codeforces data visualization app using TypeScript, leveraging information retrieval methods. Reduced load times by 30% vs. traditional methods.
- Increased user engagement by 40% using D3.js visualization. Amplified code review efficiency by 50% with intuitive charts and graphs.
- Sharpened users' problem-solving skills and coding journey analytics. Gathered 1000+ website visits and 10+ stars on GitHub.

Tensor Feel GitHub Live Project

- Engineered real-time Facial Emotion Detection web app with React.js, TensorFlow and FaceAPI, achieving 85% accuracy in emotion recognition through Machine Learning (ML) algorithms.
- Integrated AI-powered face emotion analysis with photo/video capture capabilities and NLP for comprehensive affective computing solutions.

Cosmos GitHub Live Project

- Led development team to 1st place at Hack-o-Holic Hackathon, creating MERN stack Social Media app. Implemented real-time video chat (30% usage), global news feed, and interactive games. Doubled the user session times from X to 2X minutes.
- Optimized UX with smooth infinite scrolling, resulting in 30% increase in content views during testing (Google Analytics) for effortless discovery, demonstrating scalable architecture design.

ACHIEVEMENTS

- Secured Gold Medal (1st place) in Diploma-CSE (Computer Science & Engineering).
- Knight at LeetCode (Max Rating: 1910).
- Annual badge winner at LeetCode (Top 0.01%).
- Leetcode Contest Global rank: 343/22k+ (Weekly 395) and 426/23k+ (Biweekly 129).
- Won first position in the Hackathon (Hack-o-Holic) competition against 1500+ teams.
- Awarded Google Cloud Practitioners Pathway Challenge Completion (2023).