YUVRAJ THAPA

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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.
- Deployed 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, **TenserFlow** 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. Executed 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).