

Subhash Rana

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SUMMARY

Motivated Computer Science undergraduate with practical internship experience in full-stack MERN development and solid foundations in Data Structures & Algorithms. Adept at engineering scalable web applications that deliver measurable performance gains. Eager to contribute to collaborative teams tackling impactful, real-world software challenges.

EXPERIENCE

Software Development Intern

Dec 2025 – Mar 2026

Matchbest Software Pvt. Ltd.

Haryana, India

- **EMS Portal** – Engineered key modules of an Employee Management System using the Nextjs, targeting two core workflows: Leave Management and Reimbursement Management.
- Architected the **Leave Application** module, empowering employees to submit, track, and monitor leave requests with real-time status updates and admin approval workflows.
- Implemented the **Reimbursement Application** module, streamlining expense claim submissions with document uploads and equipping finance teams with a structured review and approval pipeline.
- Crafted RESTful APIs and enforced role-based access control (RBAC) to safeguard data security across employee and admin roles.
- **Maverickservices** – Constructed responsive UI components using Next.js and Tailwind CSS, guaranteeing cross-browser compatibility and seamless mobile responsiveness.
- **Ava CRM** – Spearheaded frontend and backend development of interactive dashboards, lead tracking modules, and client data features; leveraged PostgreSQL with Prisma ORM for optimized data retrieval and storage.

EDUCATION

St. Andrews Institute of Technology and Management

Haryana, India

Bachelor of Technology in Computer Science Engineering | CGPA: 7.7

2022 – Present

Cambridge Public School

Hisar, Haryana

Senior Secondary – CBSE (Science) | 80.4%

2020 – 2021

St. Paul High School

Hisar, Haryana

Secondary – HBSE | 84.4%

2018 – 2019

PROJECTS

Job Portal | React.js, Node.js, Express.js, MongoDB, REST APIs

2024

- Delivered a full-stack MERN job portal featuring job listings, candidate applications, and recruiter workflows for end-to-end hiring.
- Integrated JWT-based authentication, role-based access control, and an admin dashboard to oversee postings and applicant pipelines.
- Boosted API performance via query indexing and pagination, slashing average response time by **25%** and accelerating posting efficiency by **40%**.

Brain Tumor Detection | Python, TensorFlow, Convolutional Neural Networks (CNN)

2023

- Designed and trained a CNN model to classify brain MRI scans into tumor and non-tumor categories, achieving **93–97% accuracy**.
- Enhanced model generalization by preprocessing and normalizing a labeled MRI dataset through data augmentation and hyperparameter tuning to curb overfitting.

TECHNICAL SKILLS

Languages: C++, JavaScript, Python

Frontend: HTML5, CSS3, Tailwind CSS, React.js, Next.js

Backend: Node.js, Express.js, REST APIs

Databases: MongoDB, SQL, PostgreSQL, Prisma ORM

Developer Tools: Git, GitHub, Postman, VS Code

Coursework: Data Structures & Algorithms, DBMS, Operating Systems

ACHIEVEMENTS & CERTIFICATIONS

Web Development Certification | Coding Blocks

- Completed a rigorous full-stack web development program encompassing frontend and backend fundamentals including HTML, CSS, JavaScript, React.js, Node.js, and MongoDB.

LeetCode Problem Solving

- Tackled **100+ algorithmic challenges**, sharpening problem-solving speed and precision across arrays, trees, graphs, and dynamic programming.