YUGAL SAINI

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Education

Bachelor of Technology in Computer Science — Nov 2021 – May 2025
Rajasthan Technical University, Kota, Rajasthan — *CGPA: 8.87/10*

Subodh Public School, Nawalgarh — Jun 2018 – May 2019
Senior Secondary — *Percentage: 89.60%*

Professional Experience

Software Development Intern — Jun 2025 – Ongoing
JadeCaps Technologies Private Limited, Bengaluru

- Collaborating with the development team to design and implement features for a multi-tenant PMS platform serving 200+ properties.
- Developing tenant-onboarding modules with dynamic database provisioning and isolation logic using Node.js, Express, and Sequelize ORM.
- Building reusable authentication modules and role-based access control systems for property management workflows.
- Integrating third-party services, including channel managers (RentalUnited), via RESTful and SOAP APIs.
- Participating in Agile development practices, including daily stand-ups, sprint planning, and code reviews.

Full-Stack Developer Intern — May 2024 – Jun 2024
Dooper Health Technology Pvt Ltd, Kota, Rajasthan

- Developed and deployed scalable MERN-stack web applications with authentication, real-time notifications, and data-management systems.
- Optimized MongoDB queries for improved performance.
- Collaborated in Agile teams through daily stand-ups, code reviews, and UI/UX enhancements.

Technical Projects

Framework for Student Activity Center (SaaS) — GitHub

- Engineered a scalable SaaS platform using React, Bun.js, and AWS to centralize club and society management, streamlining administrative workflows and enhancing student engagement.
- Architected and implemented a robust RBAC system with granular permissions for multiple user types, ensuring secure data access and compliance with institutional governance.
- Developed a comprehensive notifications management system allowing targeted, scheduled, and institution-wide communications to improve information dissemination and administrative efficiency.

Facial Recognition Attendance System — GitHub

- Built a serverless attendance management system using AWS Rekognition, Lambda functions, and DynamoDB for automated student tracking.
- Eliminated manual attendance processes through real-time facial detection with a 95% accuracy rate.
- Implemented a secure image-processing pipeline with S3 storage and IAM roles.

Technical Skills

- **Programming Languages:** Java, JavaScript
- **Frontend Technologies:** React.js, Redux, Web design
- **Backend Technologies:** Express.js, RESTful APIs, SOAP APIs
- **Cloud:** AWS (EC2, S3, Lambda, DynamoDB, Transcribe)
- **Databases:** DynamoDB, MongoDB, MySQL
- **Development Tools:** Git, GitHub, VS Code, Linux (Ubuntu), Agile methodologies, Slack
- **Deployment Platforms:** Render, Vercel, Netlify, AWS deployment services (EC2, Elastic Beanstalk)
- **Core Concepts:** Object-Oriented Programming (OOP), data structures, algorithms, cloud computing

Certifications & Achievements

- AWS Cloud Training – LinuxWorld Informatics
- AWS Cloud Technical Essentials – EdX
- Python Basics for Data Science – EdX
- AWS Cloud with AI – LinuxWorld Informatics
- English for Personal and Professional Development – IIIT Kota
- 1st Rank, SQL Quiz Competition – GFG Student Chapter RTU Kota
- 300+ Problems Solved – LeetCode, GeeksforGeeks, HackerRank (Data Structures & Algorithms)