

# Rohit Yadav

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## Education

### VEL TECH UNIVERSITY

B.TECH IN COMPUTER SCIENCE  
AND ENGINEERING

2021-2025 Chennai, India  
• Current CGPA : 8.9 (1-4 Sem)

### NAVY CHILDREN SCHOOL

12TH CBSE

2021 Kerala, India  
• 95% in Boards

## Links

GitHub **king9969**

in LinkedIn **ROHIT YADAV**

## Skills

### LANGUAGES

Python • JavaScript • Java • C/C++

### DEVELOPMENT

Flutter • ReactJs • ExpressJs •  
HTML/CSS • UI/UX

### DATABASE

MySQL • Firebase • MongoDB • Neo4j

### TOOLS

Git • Node.js • Jenkins • AWS • Docker  
• Blender • Unity • Stream lit

### AI/ML

TensorFlow • OpenCV • DeepLearning

## Coursework

### UNDERGRADUATE

- Data Structures and Algorithms
- Computer Networks
- Operating Systems
- Web Development
- Android Development
- AR/VR Game Development
- Machine Learning
- Database Management Systems
- Software Engineering
- Cloud Computing
- System Design

## Certifications

### AWS

- Academy Cloud Foundations
- Academy Machine Learning Foundations

### CCNA

- Introduction to Networks
- Switching, Routing, and Wireless Essentials

## Experience

### SOFTWARE ENGINEER (INTERN)

AVAIINTERN

- Developed dynamic web applications using a technology stack that included React, Firebase, ExpressJS, and Node.js, ensuring efficient state management with Redux.
- Led end-to-end development, emphasizing optimal UI/UX design and scalability.
- Implemented hosting and database modeling strategies, employing technologies aligned with industry best practices.

### WEB DEVELOPMENT MANAGER (INTERN)

ARETE VENTURES

- Led team in developing high-impact websites/apps for 10,000+ users, driving a 60% increase in engagement.
- Analyzed optimized websites for speed SEO, achieving a 55% improvement in loading times.
- Designed website architecture, user features reusable code, cutting development time by 40%.

## Achievements

- **IEEEExtreme 24hr Codeathon:** Ranked 18th in India and 151st globally outperforming 17,000+ participants.
- **Google Developer Student Club:** Led Competitive Programming initiatives/hackathon's/workshop's and team's.
- **Amazon Machine Learning School:** Selected participant.
- **Hackathon Leadership:** Led teams to 10+ wins and projects.
- **Coding Excellence:** Achieved 1st Rank in multiple codeathons and contests(1st in 25,000+). Solved **800+ DSA** problems.

## Projects

### SMART WHEELCHAIR WITH AAC AND HOME AUTOMATION

PYTHON, REACT, NLP, WEBHOOKS, IoT, OPENCV, DEEP LEARNING

- Enhanced wheelchair control: eye-tracking, voice recognition, gestures via React/Python UI.
- Unified daily tasks: lights, fans, switches, chat, internet using API's , Sensors and IoT.
- Empowered disability independence, winning multiple hackathons.

### ED TECH

REACTJS, MONGODB, EXPRESSJS, REDUX, NODE.JS, NETLIFY

- Developed feature-rich education platform with secure authentication and payment systems.
- Designed an intuitive CMS, dashboard for efficient content management.

### SMART HELMET: CRASH & WEAR DETECTION

FLUTTER, API, FIREBASE, IoT, SENSORS, MACHINE LEARNING

- Engineered a Flutter app for wear and crash detection.
- Integrated IoT sensors and Firebase for real-time alerts.
- Employed machine learning for smart features and analytics.

## Research Paper

1. Smart Helmet with Crash & Wear Detection
2. ThresholdedReLU Orthogonal Layer Weight Regularized Densely Connected Convolutional Networks (CNN) for Strawberry Disease Prediction