

Avanish Vadke

Computer Engineering Student
— Software Developer

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AvanishVadke
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Professional Summary

Passionate Computer Engineering student with hands-on experience in full-stack web development, mobile application development, and database management. Proven leadership as Development Head at Coders Club with expertise in React.js, React Native, and modern web technologies. Committed to building practical, scalable solutions while effectively contributing to collaborative development teams.

Education

2022–2026 **Bachelor of Engineering in Computer Engineering, Mumbai University, Thane, India**
Graduation: 2026

Experience

2024–2025 **Development Head, Coders Club APSIT, Thane, India**

- Lead a team of developers in designing and implementing technical solutions for college club activities
- Architected and developed the official Coders Club website using Next.js, JavaScript, and Firebase
- Built a full-stack Attendance Management System for club activities, replacing legacy manual methods
- Developed reporting features with class-wise, session-wise, and year-wise attendance insights
- Organized and managed events in collaboration with cross-functional student teams
- Speaker - Git & GitHub Workshop**
 - Conducted a 3-hour hands-on interdepartmental workshop on Git and GitHub
 - Covered Git concepts, branching, merging, rebase, stash, cherry-pick, and collaboration workflows
 - Facilitated live exercises using a starter repository for practical learning
 - Demonstrated real-world scenarios including merge conflicts, pull requests, and GitHub tree visualization
 - Engaged students with quizzes, pro tips, and interactive discussions for better retention

Technical Skills

Programming Languages	Java (5-star Gold Badge - HackerRank), Python (3-star Silver Badge), JavaScript ES6, TypeScript, Kotlin, C
Frontend Development	React.js, Next.js, React Native, HTML5, CSS3, TailwindCSS, shadCN UI, Bootstrap 5, Vite
Backend Development	Node.js, Express.js, RESTful APIs, JWT Authentication, Firebase Functions
Database Technologies	PostgreSQL, MySQL, Firebase Realtime Database, Supabase, SQL
Mobile Development	React Native, Android (Java/XML, Kotlin), Expo, Cross-platform Development
Development Tools	Git, GitHub, Visual Studio Code, NPM, Yarn, Android Studio, Postman
Cloud & Deployment	Vercel, Firebase Hosting, Netlify, Heroku, CI/CD Pipelines

Authentication & Security Clerk Auth, Firebase Auth, JWT, OAuth, Role-based Access Control

Key Projects

Coders Club Website (CodersHub)

Technologies Vite, JavaScript, TailwindCSS, Firebase, Authentication
Repository <https://github.com/coders-club-apsit/CodersHub>
Live Demo <https://codersclub.apsit.edu.in>
Description

- Developed the official website for Coders Club, supporting 400+ active members
- Integrated platform for posting notes, blogs, projects, and coding resources
- Built event management system with registration, announcements, and archive viewing
- Implemented a role-based permission system for admins, moderators, and members
- Designed modular components for fast updates and consistent design system
- Used Firebase for real-time updates, user auth, and scalable backend

Attendance Management System

Technologies NextJS, Node.js, Express.js, PostgreSQL
Repository https://github.com/AvanishVadke/attendance_management_cc
Live Demo <https://attendance-management-cc.vercel.app/>
Description

- Full-stack tool for managing attendance records for college club activities
- Replaced legacy manual attendance with digital workflows
- Built admin dashboard with session-wise, class-wise, and year-wise filtering
- Enabled Excel-based report downloads and printable summaries
- Designed clean, responsive UI for ease of use on any device
- Implemented secure login and role-based access for event coordinators

Job Hunt - Full Stack Job Portal

Technologies React.js, Vite, TailwindCSS, shadCN UI, Supabase, Clerk Authentication
Repository <https://github.com/AvanishVadke/JobHunt>
Live Demo <https://job-hunt-sooty.vercel.app/>
Description

- Developed job portal with separate dashboards for recruiters and job seekers
- Implemented Clerk Auth for secure sign-ins and JWT-based role management
- Enabled job postings, application tracking, resume uploads, and saved job listings
- Integrated resume parser for structured and searchable resumes
- CI/CD deployment with Vercel and real-time Supabase data sync

JobFinder - React Native Mobile App

Technologies React Native, Expo, JavaScript, Redux, Firebase
Repository <https://github.com/AvanishVadke/JobFinder>
Description

- Built job search app for Android and iOS using Expo and Firebase
- Used Redux for handling authentication, saved jobs, and application state
- Added offline mode with local caching and sync once online
- Integrated push notifications and geolocation for personalized listings
- Achieved smooth 60 FPS performance across platforms

Firebase Auth 2.0 - Authentication Template

Technologies React.js, Firebase Authentication, JavaScript

Repository <https://github.com/AvanishVadke/Firebase-auth-2.0>
Live Demo <https://email-and-auth-app.web.app/>
Description

- Built starter template for web apps using Firebase Authentication
- Supported email/password, Google sign-in, password reset, and email verification
- Included error handling, loading states, and UI transitions
- Offered clean reusable components with easy-to-follow documentation

FitSwitch - Fitness Mobile Application

Technologies Java, Android SDK, XML, Firebase
Description

- Built Android app for fitness tracking with BMI calculator and progress dashboard
- Added camera-based heart rate monitoring and diet recommendations
- Integrated Firebase for cloud sync and authentication
- Designed interactive workout cards and user progress tracking modules

VibeX - Offline Music Player

Technologies Kotlin, Android SDK, XML, Room Database
Description

- Developed music player with support for offline playback and playlists
- Built persistent queue and media session integration
- Used Room DB for storing metadata and playback history
- Created clean material UI with theming and night mode

Certifications & Achievements

Oracle Certified Java Programming - Oracle Certified Associate (OCA)
Web Development Full Stack Web Development Certification (JavaScript MERN Stack)
HackerRank 5-Star Gold Badge in Java Programming
HackerRank 3-Star Silver Badge in Python Programming
AWS AWS Academy Graduate - AWS Academy Cloud Foundations
Juniper Juniper Networking Cloud Certification
Leadership Development Head at Coders Club APSIT (2024–Present)
Open Source Active contributor to open-source projects on GitHub

Additional Information

Languages English (Fluent), Marathi (Native), Hindi (Native)
Interests Open Source Development, Mobile App Development, Cloud Computing, Artificial Intelligence and Machine Learning
Availability Available for internships and part-time opportunities