

AMOL BUDHWANT

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SUMMARY

Full-Stack MERN Developer who has built and deployed multiple production applications featuring AI integration, real-time systems, and security-hardened authentication.

EDUCATION

ATSS College of Business Studies & Computer Application
Bachelor of Science in Computer Science (B.Sc CS) | CGPA: 9.0/10.0

Pune, Maharashtra
Aug. 2024 – June 2027

PROJECTS

CampusCart | *MERN Stack, Socket.io, JWT, Passport.js, Gemini API, Tailwind CSS* | [GitHub](#) | [Live](#)

- **Architected a full-stack marketplace** with 9 MongoDB models and 36 RESTful API endpoints across listings, offers, chat, and search modules, powering 10 frontend pages and 14 reusable components.
- **Implemented multi-provider authentication** (Email, Google, GitHub OAuth) with JWT access/refresh tokens, bcrypt hashing (12 salt rounds), and custom token blacklisting across 19 protected routes.
- **Integrated Socket.io, Cloudinary, and Gemini AI** for real-time chat, media management, and natural language product search, enhancing core marketplace functionality.

EduFlow | *React.js, Node.js, Express.js, MongoDB, Recharts, Cloudinary, JWT* | [GitHub](#) | [Live](#)

- **Engineered a role-based ERP platform** with 12 MongoDB models and 67 API endpoints, supporting 30 pages across Student and Admin dashboards for attendance, fees, tests, and assignments.
- **Built real-time analytics dashboards** using Recharts across 24 protected routes, visualizing attendance trends, fee collections, and academic performance.
- **Integrated Gemini AI** for automated doubt-solving and question generation alongside Cloudinary asset management, enhancing academic support tools.

LinkMint | *React.js, Node.js, Express.js, MongoDB, JWT, OAuth 2.0, Helmet.js* | [GitHub](#) | [Live](#)

- **Built a full-stack URL shortener** with 20 RESTful API endpoints and 4 MongoDB models, featuring real-time click analytics and link performance tracking.
- **Hardened backend security** with 4 distinct rate limiters (global, auth, login, verification), Helmet.js, and CORS configuration to prevent abuse and brute-force attacks.
- **Secured authentication** with dual OAuth providers (Google, GitHub) and JWT, using hashed refresh tokens and HttpOnly cookies to prevent token theft.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), Python, C++, C, SQL

Technologies: React.js, Node.js, Express.js, MongoDB, Tailwind CSS, Socket.io, JWT, OAuth 2.0, REST APIs, Helmet.js, Recharts, Cloudinary, PostgreSQL, Prisma

Tools: Git, GitHub, VS Code, Postman, Vercel

Concepts: Data Structures & Algorithms, Object-Oriented Programming, Database Management, Authentication & Authorization, Full-Stack Development, Responsive UI/UX

ACTIVITIES

Google Solution Challenge 2026 | *KisanAlert – AI-powered Agricultural Alert System* | [Live](#) | [GitHub](#)

- **AI-powered agricultural alert system** built for Google Solution Challenge 2026, analyzing market trends to deliver real-time alerts to farmers in Maharashtra.
- Selected to compete in **Google Solution Challenge 2026** – a global competition where student developers build technology solutions for real-world community problems.

OPEN SOURCE & COMMUNITY

- Actively maintaining personal full-stack **MERN repositories** with authentication and AI integration, with regular commits and feature updates.
- Competed in **inter-college technical events** including coding competitions, project expos, and technical pitch presentations.