MOHAMMED JUNAID

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, Bangalore - 560022

COMPUTER SCIENCE STUDENT

SUMMARY

Final-year BCA student (2026) specializing in secure and scalable web systems. Designed and deployed zero-knowledge encrypted cloud storage with client-side AES-256-GCM encryption, chunked file processing, and object storage integration. Strong focus on security architecture, performance optimization, and production-ready system design. Experienced in building full-stack TypeScript/React applications with cloud-based authentication and storage services.

SKILLS

Technical Skills:

- Languages: JavaScript, TypeScript, Java, Python, C
- Frontend: React, HTML, CSS, Responsive UI, PWA
- Backend & APIs: REST API design, Supabase (Auth & DB), Row-Level Security
- Databases: PostgreSQL (via Supabase), MySQL, Oracle SQL
- Cloud & Storage: Cloudflare R2, Supabase Storage
- Security & Cryptography: Web Crypto API, AES-256-GCM, PBKDF2, Client-side encryption
- Tools & DevOps: Git, GitHub, Vercel Deployment, Environment Configuration
- Data & Visualization: Tableau, Chart-based dashboards

Soft Skills:

- Problem Solving & Critical Thinking
- Writing & Documentation
- Troubleshooting & Multitasking
- Team Collaboration & Active Listening

PROJECTS

Veil – Zero-Knowledge Encrypted Cloud Storage Web App
HTML, CSS, JavaScript, Supabase, Cloudflare R2, Web Crypto API | [Live at: https://veil-secure.vercel.app/] |Feb 2026 – Present

- Architected and deployed a zero-knowledge encrypted file storage platform where encryption/decryption occurs entirely client-side.
- Implemented AES-256-GCM encryption with secure IV generation and PBKDF2-based key derivation.
- Designed chunk-based file processing to support large uploads while minimizing browser memory overhead.
- Integrated Supabase authentication with unique username validation and secure row-level access control.
- Connected scalable object storage via Cloudflare R2 for efficient and cost-optimized file handling.
- Built a responsive Progressive Web App (PWA) with cross-device compatibility.

GaugeIQ – Vehicle Mileage & Fuel Tracking Web App
TypeScript, React, Supabase, CSS | [Live at: https://gauge-iq.vercel.app/] | Dec 2025 – Present

- Developed a full-stack vehicle expense tracking application with secure Supabase authentication.
- Designed normalized relational schema for fuel logs, odometer tracking, and expense analytics.
- Implemented dynamic mileage calculations and trend visualization using interactive charts.
- Built reusable TypeScript-based React components for maintainable UI architecture.
- Deployed production-ready build with responsive dashboard interface.

Vaultara – Secure File Encryption Web App
HTML, CSS, JS, Web Crypto API | [Live at: https://microdoomz.github.io/vaultara/] | Aug 2025 – Present

- Built a browser-based file encryption/decryption tool supporting files up to 4GB.
- Implemented AES-256 encryption with PBKDF2 key strengthening and optional recovery key mechanism.
- Designed fully client-side cryptographic workflow ensuring no file data leaves the browser.
- Engineered minimal and high-performance UI with secure memory handling principles.

EDUCATION & CERTIFICATIONS

Education:

Bachelor of Computer Applications | Expected in Jul 2026
Bangalore University | St. Claret College

PUC | PCMB | Mar 2023 | 83.83%
Department of Pre-University Education Karnataka | MES PU College

SSLC | Jul 2021 | 91.68%
Karnataka Secondary Education Examination | Divine Public School

Certifications:

- Java Full Stack | Pentagon Space | 2026
- Tableau and R Programming | E2E Management Services | 2024
- Multimedia & Graphics | Design Roots Academy | 2023
- Hardware and Networking | 2023