Yatharth Verma

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EDUCATION

VIT Bhopal University — Kothrikalan, MP
B.Tech in Computer Science (Cyber Security and Digital Forensics) — *2022 – 2026*

EXPERIENCE

Trufe – Full Stack Dev Internship — Jan 2025 – Jul 2025
Project: Financial Analytics Application & Dashboard System

- Created a modular financial analytics application using **React.js** Frontend and **Firebase** Backend, enabling structured data management across income, expenses, salaries, projects, and loan servicing.
- Engineered interactive dashboards for **real-time** visualization of revenue growth, profit margins, cash flow metrics, and investment KPIs, supporting granular team, resource, and **project-level** insights.
- Developed automated financial data pipelines **automated calculation** ensuring 99.99% data accuracy and enabling error-free reporting for critical financial processes.

PROJECTS

SplitWise [GitHub]

- Built **ExpenseTracker**, a group expense management web app, using **React**, **Firebase**, and **Tailwind CSS** in 3 days, supporting real-time balance tracking for 10+ users across groups.
- Implemented role-based authentication with **Firebase Auth**, including signup and forgot password flows, ensuring secure access for registered users.
- Designed responsive UI with **Tailwind CSS**, featuring mobile-friendly sidebar and 72px friend rows, achieving seamless UX on mobile and desktop devices.

CogniChat - AI Document Chat Assistant [GitHub]

- Developed **CogniChat**, an AI-powered document analysis web app using **React.js**, **Supabase**, **Google Gemini AI**, and **PDF.js**, supporting multi-format document processing (PDF, TXT, JSON, MD, CSV).
- Implemented **RAG (Retrieval Augmented Generation)** architecture with vector embeddings and semantic search using **Supabase**, reducing document query response time by 60% compared to traditional keyword search.
- Built intelligent model cascade system across 6 Gemini AI variants with automatic failover handling, achieving 99% uptime and reducing API rate limit errors by 85%.
- Integrated real-time chat persistence and user authentication with **Supabase Auth**, supporting unlimited document conversations with contextual memory and file chunking for optimal AI processing.

Phishing Link Analysis Using NLP

- Designed a system utilizing **Natural Language Processing (NLP)** to analyze phishing links in emails, processing over 10,000 emails with 95% accuracy in risk assessment.
- Extracted features such as keywords, URL structure, and HTML elements, achieving a 90% detection rate for phishing links across 5,000 unique URLs.
- Implemented analytics dashboard to visualize threat patterns, reducing false positives by 15% and improving system efficiency by 25%.

TECHNICAL SKILLS

Languages: Java, JavaScript, SQL, HTML, CSS,
Databases: Firebase, MySQL, SupaBase
Frameworks & Libraries: React
Dev Tools & Platforms: Git, GitHub, AWS, VS Code

ACCOMPLISHMENTS

TryHackMe (Zeldon): Max. **Rating** 122089 **Top** 8 % ; solved 50+ Rooms

CERTIFICATIONS & EXTRACURRICULAR ACTIVITIES

Google Cybersecurity Professional Certificate — Issued by Coursera