Aditya Tote

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Summary:

Computer Engineering student and Backend Developer specializing in TypeScript. I design and build production-ready REST APIs, work deeply with databases, and focus on creating clean, scalable backend systems. Experienced in shipping real-world applications and contributing to hackathon-winning projects.

Technical Skills:

- **Programming Languages**: TypeScript, Python, Go, C++, JavaScript, SQL
- **Backend Development:** Bun, Node, Hono, Express.js, FastAPI, Flask, RESTful API design, WebSockets
- **Databases:** PostgreSQL, MySQL (SQL), MongoDB (NoSQL), Redis
- **AI & Agent Frameworks:** LangChain, Google ADK, MCP (Model Context Protocol)
- **DevOps & Tools:** Git, GitHub, Docker, AWS S3/CloudFront, GitHub Actions, CI/CD pipelines, Postman
- **Blockchain:** Solidity, Smart Contract Development & Testing (Foundry/Forge), Ethereum (Wagmi, Viem, ethers.js), EVM Architecture, OpenZeppelin, Web3 Integration
- **Frontend:** HTML5, CSS3, Tailwind CSS, React, Next.js, Tanstack-start

Experience:

Backend Developer Intern | Engineer's Cradle   *Sept 2025 – Dec 2025*

- **Built and maintained** backend services using **Hono** (running on **Bun**) for high-performance and efficient API handling.
- Integrated **Facebook, Instagram, YouTube, and Google Business APIs** for social media data ingestion and synchronization.
- Implemented **OAuth 2.0 flows**, token refresh, and permission management across multiple third-party platforms.
- Designed and optimized **REST APIs** for authentication, content management, and analytics modules.
- Managed **PostgreSQL** schema design and migrations using Keysly ORM, ensuring data integrity and safe updates.

Full Stack Developer | NextGen QuickHire   *Jan 2025 – July 2025*

- Built and maintained backend APIs using **Node.js (Express)** to support authentication, real-time workflows, and core application logic.
- Designed and optimized **MySQL and PostgreSQL schemas**, improving query performance and data consistency.
- Delivered and deployed production-grade web applications including **assessment systems, e-commerce platforms, and job portals**, used by real users.

Education:

- Bachelor of Engineering in Computer Engineering | JSPM's Imperial College Of Engineering And Research | CGPA: 7.10   Graduation: May 2026

Projects:

HiFi – AI-Native Personal Finance Agent *(Breakthrough Concept Winner – Agentic AI Day 2025) | FastAPI, Google Agent Development Kit, Vertex AI, Firebase*

- ❖ Developed an AI agent that helps users understand, manage, and act on their finances — *like ChatGPT for your bank account*.
- ❖ Built backend API server using **FastAPI**, integrating **Google Agent Development Kit (ADK)** for multi-agent workflows.
- ❖ Deployed AI models on **Vertex AI** and stored user data securely on **Firebase**.
- ❖ Won *Breakthrough Concept* award from **Google Cloud & Hack2Skill** for problem statement from **Fi Money**.
- ❖ Live Preview

Untangle – AI-Powered Legal Document Simplifier| *Hono, Cloudflare Workers, Drizzle ORM, Turso, Google ADK, Gemini, TypeScript*

- ❖ Worked with a 4-member team to build a platform that turns dense legal documents into clear, easy-to-understand explanations.
- ❖ Focused on backend integration, bringing together **Hono APIs**, **Cloudflare Workers**, **Drizzle ORM**, and **Turso** into a smooth and reliable system.
- ❖ Built secure API routes and handled the data flow between the **document uploader**, **parsing logic**, and the **AI agent layer**.
- ❖ Integrated **Google ADK** with Gemini models to enable summarization, clause extraction, and risk interpretation inside a **chat-based interface**.
- ❖ Live Link | Project Repository

CourseHub – Full-Stack Course Selling Platform | *React, Node.js, Express.js, PostgreSQL, Solana, AWS S3/CloudFront*

- ❖ Developed a full-stack platform for online course sales with secure authentication and authorization.
- ❖ Designed and implemented RESTful APIs supporting complete CRUD operations.
- ❖ Integrated **Solana blockchain** for decentralized payments and managed scalable data with **PostgreSQL**.
- ❖ Optimized content storage and delivery using **AWS S3** and **CloudFront CDN**.
- ❖ Project Repository

Achievements:

- ❖ **Agentic AI Day (Google Cloud × Hack2Skill)** — *Breakthrough Concept Award* (2025)
- ❖ **CodeXCaliber, IIIT Nagpur** — *Winner* (2025)
- ❖ **HackFest (SAP)** — *Finalist* (2024)
- ❖ **ETHGlobal New Delhi** — *Participant;built decentralized AI agent marketplace* (2025)
- ❖ **Cardano Hackathon** — *Participant; AI agents with on-chain integrations* (2024)
- ❖ **Smart India Hackathon** — *National Winner* (2023)