# AKASH MISHRA

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## EDUCATION

**CHITKARA UNIVERSITY**                                                                           Expected 2025
Bachelor of Engineering in Computer Science
Cumulative GPA: **8.87/10.0**

**DAV PUBLIC SCHOOL**                                                                                    2018-2020
10+2 Science
Cumulative GPA: **8.0/10.0**

## WORK EXPERIENCE

**REDBELLY NETWORK**                                                                          Chandigarh, India
Software Development Engineer Intern                                                  Dec 2023 - Feb 2025

- Built an **AMM-based DEX & liquidity pool** dApp on Redbelly Devnet for decentralized trading and token management.
- Developed a dApp using **Hardhat** and **Ethers.js**, enabling wrapping and unwrapping of the native token.
- Created a Discord bot for large communities (30k+ members), automating **NFT-based Discord role assignments**.
- Engineered an **NFT minting** dApp, supporting minting and burning of 500+ unique NFTs.
- Constructed robust and scalable decentralized applications using **Next.js, Express.js, Supabase, Web3.js, Solidity etc.**
- Audited smart contracts using static analysis, manual code reviews, and gas optimizations to ensure security and efficiency.

## PERSONAL PROJECTS

**PDFile.ai |[Github](#)**
- Built an AI-integrated chat application with PDF support using **Next.js** for seamless user experience
- Integrated **OpenAI API** and **PineconeDB** for a context-aware AI assistant with enhanced search capabilities.
- Implemented subscription-based premium features using **Stripe** for monetization within Next.js.
- Architected scalable architecture with **Drizzle ORM, PostgreSQL, AWS SDK, OpenAI Edge, and Neon Serverless**.

**TradeEstates | [Github](#)**
- Engineered a full stack real estate platform using the **MERN** stack to enable dynamic property listings and management.
- Implemented **JWT-based authentication** with cookies, securing user sessions and route protection.
- Leveraged React Router Dom and **Context API** for seamless navigation and state management across the application.
- Developed real-time chat functionality using **Socket.io**, allowing instant messaging between users.

**Other Projects**: [Netflix clone](#) | Task Manager

## SKILLS

**Programming Languages:** Java, Solidity, C++, Javascript, Typescript

**Frameworks & Tools:** React.js, Next.js, Node.js, Express, TailwindCSS, Supabase, MongoDB, Hardhat, Ethers, Git, Github

**Core Concepts:** Object-Oriented Programming, Data Structures & Algorithms, System Design, DBMS, Computer Networks

## CERTIFICATIONS

**Data Structures and Algorithms** – Infosys Springboard
**Software Engineering: Implementation and Testing** – Coursera
**Algorithmic Toolbox –** UCSanDiego, Coursera