

# AGASTYA GAUR

Hanumantpuram, kankhal, Haridwar - 249408

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## EDUCATION

### Graphic era hill university

Bachelor of Technology in Computer Science Engineering CGPA:7.9

Aug 2020 – July 2024

Uttarakhand

### S.G.R.R Public School

P.C.M in 12th (86 '%')

April 2019 – March 2020

Uttarakhand

## EXPERIENCES

### Open Source Contributor

Mar-2024 – Present

Fullstack dev.

Remote

- [ctrl org](#) : Integrated web3 wallet solutions (Metamask, coinbase Wallet) in a **Telegram Mini App** for seamless access.
- [ggithubstreak.com](#) : Added a feature for GitHub comparison using memes, improving user engagement by **15 '%'**
- Collaborated on multiple open-source projects involving **Puter** (operating system) , **persona.fm** , **tiplink**, also member of CTRL org with over all **65'%'+ PR** merge ratio.

## PROJECTS

### Gogaur database | Go, Gin, Nodejs | [Code](#)

Nov 2024 – Dec 2024

- High-performance key-value database in **Go** with concurrent access support, implementing **thread-safe** operations using **mutex locks** and achieving persistent storage through an optimized file-based system
- Developed a RESTful API using **Gin** framework with comprehensive CRUD operations, and created a dedicated Node.js SDK ([@agastyagaur/gogaur-sdk](#)) enabling seamless frontend integration
- Implemented efficient data retrieval using **in-memory indexing** and concurrent access handling.

### VidSum Agent | Python, Streamlit, Gemini, FastAPI, Pgvector | [Link](#) [Code](#)

May 2024 – June 2024

- Developed an AI video analysis tool using **Phidata** Agent Framework and Google's Gemini 2.0, enabling automated content summarization and insights generation
- Implemented multimodal AI analysis, and web research capabilities using **DuckDuckGo** Search API

### Stake gamble7 | ReactJs,NodeJs,Prisma,Postgrase,Razorpay | [Link](#) [Code](#)

Oct 2024 – Nov 2024

- Deployed the betting website, where user can play different game and bet the amount available in their wallet.
- Developed a secure and efficient wallet feature using **Razorpay**, ensuring real-time updates through **webhooks**.
- Implemented secure user authentication and authorization using JWT, and state management using **Zustand**.

## TECHNICAL SKILLS

**Languages:** Java, C, C++, Javascript, Solidity, MySql, Python, Go, Rust

**Developer Tools:** VS Code, Firebase, MongoDB, Postgrase, Github, Ipfs, Superbase, Prisma

**Relevant Coursework:** Data Structures and Algorithms, Computer Networks, Devops, OS, Blockchain

**Technologies and Frameworks:** HTML/Css, React, Node.JS, Express, Next js, Hardhat, FastApi,Foundary, Expo,Gin

## ACHIEVEMENTS

- **3 star** at codechef.
- Secured 2nd rank in overnight coding competition in 2nd year B.TECH and received a cash price of INR 5000.
- Winner of collage level hackathon among **70+** teams.
- Solved around **600+** problem across different problem solving platform.

## EXTRA CURRICULAR

- Lead of RuntimeTerror club in collage.
- Curated programming problems for various Competitive Programming events.
- Authored and published multiple tech articles on [Medium](#) and [Hashnode](#), covering topics like web,Payment etc.