

# Ajay Raghav

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<https://github.com/Ajay702>

## OBJECTIVE

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Results-oriented Computer Science student eager to leverage programming skills and experience in software development to contribute to impactful engineering projects and solve real-world problems.

## EDUCATION

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### GRADUATION | 2022-2026 (EXPECTED)

Chandigarh University, Gharuan

Bachelors in Computer Science Engineering

### SENIOR SECONDARY SCHOOL | 2020

Gayatri Public School, Agra

CBSE | 96%

### Secondary School | 2018

Airforce School, Jamnagar

CBSE | 93%

## SKILLS

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### Technical Skills

- Programming Languages: Python, JavaScript (JS), Solidity
- Web Development Frameworks: Flask, Bootstrap
- Frontend Technologies: HTML, CSS, JS, jQuery, ReactJS
- Database Management Systems: SQLite, MySQL, MongoDB
- Cloud Infrastructure: AWS, GCP
- Caching Systems: Redis
- Version Control: Git

### Soft Skills

Communication | Leadership | Teamwork | Adaptability | Time Management | Problem Solving

## EXPERIENCE

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### Flacked AI

(January 2024 - March 2024)

#### Full Stack Developer

- Employed a distributed server architecture consisting of five key components—the main application server, training server, widget server, SocketIO server, and CDN—to enhance performance and scalability.
- Deployed on AWS cloud infrastructure, leveraging services like EC2, RDS, ElastiCache (Redis), and CloudFront CDN with an S3 Bucket, ensuring high availability and reliability while managing varying user demand.
- Established monitoring and alerting systems to track server performance metrics and swiftly address any issues, ensuring an optimal user experience and high customer satisfaction.

### Collegder Protocol

(October 2023 - December 2023)

#### Full Stack Developer

- Blockchain and AI Development: Worked on decentralized applications, smart contract audits, and DeFi protocols, enhancing my understanding of blockchain technology and AI integrations.
- Frontend in React and Backend in Flask: Developed applications using React for frontend and Flask for backend, focusing on creating secure, scalable, and user-friendly solutions.
- Team Collaboration and Best Practices: Collaborated with a team of developers, learning industry best practices in blockchain security, agile methodologies, and project management.

## PROJECTS

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### Project Buddy

- Project Buddy is an innovative platform designed to connect individuals for collaborative projects. By matching users based on their skills and interests, it streamlines the process of finding suitable project partners and provides essential tools for effective collaboration.
- Project Buddy employs the Flask framework for backend development and SQLAlchemy ORM for efficient database management. The frontend utilizes jQuery, AJAX, and vanilla JavaScript to create a dynamic user experience. Real-time communication is enabled through SocketIO, while a CDN ensures fast and reliable content delivery.