

Mehul Bansal

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Experience

Backend Developer [Ophiz](#)

Kartavya Technology

Remote

Jan 2025 – July 2025

- Optimized **Node.js APIs** for performance, scalability, and reduced latency.
- Designed and structured **database architecture**, implementing indexing and query optimization for efficient data access.
- Applied effective **data modeling** using aggregation, normalization, and references.
- Contributed to a **Microservices Architecture**, enabling modular, maintainable, and independently deployable services.
- Developed an **event-driven notification system** using **AWS SQS, SNS, and Lambda** for reliable and asynchronous communication.

Technologies And Skills

Languages: C++, JavaScript, Solidity, Python

Database: MongoDB, MySQL

Libraries: React Js, Bootstrap, Tailwind CSS

Tools: Git/GitHub, Docker, GitHub Actions, Nginx

Frameworks: Express.js, Node.js

Cloud: AWS (EC2, S3, ECR, Lambda, SNS, SQS, Cloud-Watch)

Cloud Experience

- Worked extensively with **AWS EC2** for deploying and managing scalable backend services.
- Integrated **Amazon S3** for efficient and secure storage of static files and assets.
- Monitored and debugged systems using **AWS CloudWatch**.
- Implemented containerization using **Docker** and hosted images via **AWS ECR**.
- Created CI/CD pipelines using **GitHub Actions** for automated deployments.
- Configured **Nginx** as a reverse proxy, static web server, and TLS load balancer.
- Built serverless, event-driven workflows using **AWS Lambda, SNS, and SQS**.

Projects

CampusSociety — TOOLS USED : MERN

[campusSociety](#)

- Developed a platform enabling seamless communication between colleges, hubs, coordinators, and students, with role-based access for admins, SPOCs, and coordinators to manage events and hubs.
- Ensured secure user management by integrating **JWT authentication** and **bcrypt.js** for encrypted password storage.

VerbalEx — TOOLS USED : MERN, python

[VerbalEx](#)

- Built with a React.js frontend and a backend powered by Node.js and Python using Flask.
- Supports multilingual parsing for documents in Indian regional languages.
- Provides APIs for e-signatures and form filling, with secure data storage.

CRYPSPUP — TOOLS USED : MERN, Solidity

[Crypsup](#)

- Developed a dual-platform ecosystem where creators can showcase their content, and supporters can engage and contribute.
- Integrated **Ethereum blockchain** to enable cryptocurrency-based support and transactions securely.

Web3Portfolio — TOOLS USED : React.js, Web3.js, and Solidity

[Web3Portfolio](#)

- Developed a Web3-enabled portfolio website that displays content only after a MetaMask wallet connection, ensuring a decentralized experience, and integrated an Ethereum-based **"Donate me ETH"** feature for seamless crypto donations.

Education

Jaypee Institute of Information Technology

June 2026

B.Tech. in Computer Science CGPA: 7.1

AVM Sr. Sec. School

2021

12th Percentage: 98%

St. Paul's English Sr. Sec. School

2019

10th Percentage: 86%

Achievment

Runners Up, Hackathon BitBox 4.0 hosted by IIIT 128

March 2024

Developed a pioneering platform bridging creators and supporters, enabling direct support through cryptocurrency donations.

Leadership & Engagement

Program Coordinator

August 2024 – Present

Developers Community Club (DSC)

- Ensured the smooth execution of all events and activities while actively connecting with students to provide valuable insights.
- Organized hackathons like **SIH** (Smart India Hackathon) for internal college selection and **Hackin' Winters**, managing over 200 participants efficiently.

Technical Coordinator

August 2024 – Present

Creativity and innovation Cell in Electronics (CICE)

- Conducted **Git/GitHub workshops**, teaching version control and collaboration best practices, and organized **project workshops**, mentoring volunteers on development, exploring various tech fields, and enhancing presentation skills.