

Abhay Gupta

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Summary

Third-year B.Tech student in Computer Science and Engineering (Data Science) with expertise in full-stack development (React.js, Node.js, MongoDB) and cloud-native solutions (AWS, Google Cloud, Kubernetes). Proficient in Go, Solidity, and AI/ML, with 200+ DSA problems solved. Led open-source projects at SWOC 2025 and mentored 20+ developers in GSSoC 2024. Seeking software development internships to drive innovation in cloud and AI technologies.

Technical Skills

- **Languages** Python, JavaScript, TypeScript, C++, SQL, Go, Solidity
- **Web & Frameworks** React.js, Node.js, Express.js, Next.js, Flask, HTML5, CSS3
- **Databases** MongoDB, PostgreSQL, MySQL, DynamoDB
- **Cloud & DevOps** AWS, Google Cloud Platform, Docker, Kubernetes, Git, Linux, CI/CD
- **Others** REST APIs, GraphQL, Smart Contracts, WebSockets, Generative AI

Projects

- **Digilekh Technologies:** Node.js, Express.js, MongoDB, React.js, Socket.IO, AWS
 - Engineered a scalable full-stack platform for real-time content publishing, handling 1,000+ concurrent users.
 - Deployed WebSocket-based live commenting with Socket.IO, reducing latency by 40%.
 - Optimized MongoDB queries and integrated AWS S3 for efficient media storage.
- **Vasant Technologies:** Go, WeatherAPI
 - Built a cross-platform CLI tool in Go for real-time weather forecasts, serving 500+ daily queries.
 - Integrated WeatherAPI for location-based data, improving query accuracy by 95%.
 - Enhanced UX with color-coded terminal outputs using Go libraries.

Work Experience

- **IBM SkillsBuild Program** Remote
 - *AI/ML Intern* 06/2024 – 07/2024
 - **Model Deployment** Deployed AI/ML models using Python, NumPy, and Pandas on IBM Watson Studio, improving prediction accuracy by 70% and reducing latency by 30%.
 - **Data Pipeline Optimization** Streamlined preprocessing workflows, enhancing data handling efficiency for cloud-based ML pipelines.

Education

- **Maharana Pratap Engineering College** Kanpur, India
 - *B.Tech in Computer Science and Engineering (Data Science)* 09/2022 – Present
- Relevant Coursework: OS, DSA, Algorithms, DBMS, Cloud Computing

Certifications

- Google Cloud Fundamentals: Core Infrastructure, **Google Cloud**, 11/2023
- Practice Go by CodeChef, **CodeChef**, 10/2024
- AWS Cloud Practitioner Essentials, **Amazon Web Services**, 05/2025
- Generative AI Arcade Game Distinction, **Google Cloud Foundations**, 06/2024
- Digital Transformation with Google Cloud, **Google Cloud**, 11/2023

Open-Source Contributions

- Project Admin, SWOC 2025 – Directed Lumina's development, overseeing 50+ contributors and achieving 30% faster project delivery.
- GSSoC-Extended 2024 – Mentored 20+ contributors, facilitating 100+ pull requests across full-stack projects.

Achievements

- Solved **200+** DSA problems on LeetCode, CodeChef, and GFG, strengthening algorithmic skills.
- Developed **10+** Ethereum smart contracts using Solidity, reducing gas costs by 20%.
- Qualified in **SIH Internal Hackathon 2024**.