Aman Verma

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EDUCATION

Indian Institute of Information Technology, Guwahati　　　Dec. 2021 – Jun. 2025
Bachelor of Technology in Computer Science and Engineering　　　*CGPA: 8.59*

WORK EXPERIENCE

MAQ Software　　　Jan 2025 – Present
Software Developer | Java, Apache Kafka, Apache Beam, Apache Flink, Git, Linux
- Migrated LinkedIn's stream processing pipeline from **Samza** to **Flink**, enhancing scalability and achieving a **20% increase in throughput** and **45% reduction in memory usage** during **Kafka I/O** operations.
- Developed automation tools and scripts for data partitioning, ingestion, and consumption across **Kafka**, **Beam**, and **Flink**, in collaboration with LinkedIn FTEs — **reducing manual workload by 70%**.
- Built and deployed performance-optimized streaming solutions, **reducing end-to-end latency by 35%** and supporting stable deployment in high-volume environments.

Avant Enterprises　　　Sept 2024 – Nov 2024
Freelance Software Developer | Feature Enhancement, Django, React.js
- Enhanced platform features, including project management modules, boosting **task completion by 25%.**
- Developed and deployed new functionalities for customer-facing dashboards, improving user engagement and workflow clarity.

Scholify　　　Oct 2023 – Jun 2024
Software Developer Intern | Django, JavaScript, Redis, PostgreSQL, AWS | LOR
- Implemented **microservices architecture** using Django and JavaScript, boosting reliability and performance, and reducing **API response time by 20%**.
- Deployed and managed **AWS EC2** instances with **Auto-Scaling** and **RDS database migration** in production.
- Demonstrated strong **problem-solving skills** by performing load testing and applying optimization strategies to handle increased user traffic.

TECHNICAL SKILLS

Programming Languages: Java, Python, C++, JavaScript
Databases: SQL, MySQL, NoSQL (MongoDB), Firebase Services
Frameworks & Platforms: NodeJS, ExpressJS, Django, Spring Boot(beginner), Android SDK, AWS, Git
Concepts: Data Structures & Algorithms, Object-Oriented Programming (OOP), Microservices, RESTful APIs

PROJECTS

Mess Management System IIITG (Ongoing) ⚙ | *NodeJS, MongoDB, Express, Restful APIs, AWS*
- Led the development of a system for 600+ students, boosting operational efficiency by 20%.
- Introduced real-time menu display, payment gateway integration, and a complaint portal, reducing complaint resolution time by 30%.
- Implemented an Agile-based Evolutionary Model, ensuring continuous stakeholder involvement and effective Software Development Life Cycle (SDLC) application.

Knowledgify ⚙ | *Java, Android Studio, Firebase, APIs*
- Developed Edutech Android app with Java, Firebase integration for authentication, cloud storage, and messaging.
- Achieved 10K+ downloads with 4.1/5 rating, experienced in Play Store deployment, user feedback management, bug fixes, and CI/CD implementation.

Face Recognition Attendance System ⚙ | *Python, TensorFlow, PyTorch, Firebase*
- Developed Face Recognition system with Siamese networks achieving 90% accuracy initially, refined to 99% through advanced libraries.
- Integrated Firebase for secure, real-time data storage, ensuring reliable attendance records.

CERTIFICATIONS & ACHIEVEMENTS

Amazon ML Summer School: Qualified in Amazon Machine Learning Summer School 2024.
DSA Proficiency: Demonstrated strong problem-solving skills by solving 350+ questions on GFG (GeeksforGeeks).
COMSYS-23: (PosAIdons) Ranked top 20 in Kaggle Hackathon organized by Jadavpur University & IIT Mandi.
Tink-A-Thon: Secured 2nd position in 48 hours long Inter-Institute (IIIT Guwahati and IIIT Kota) Hackathon under EBES.