AMAN VERMA

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EDUCATION

Indian Institute of Information Technology, Guwahati   Expected May 2025
Bachelor of Technology, Computer Science and Engineering   *CGPA: 8.47*
- **Coursework:** Data Structures & Algorithms, Operating Systems, Database Management Systems (DBMS), Computer Networks, Applied Machine Learning, Artificial Intelligence, Cloud Computing, Cybersecurity

EXPERIENCE

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

Google DSC - IIIT Guwahati   May 2023 – Aug 2024
Google DSC Lead
- Conducted Google Cloud Study Jams and Android Bootcamps, fostering technical learning and collaboration.
- Organized workshops, events, and projects to promote technical skills within the student community.

PROJECTS

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, showcasing proficiency in ML and software development.

Mess Management System IIITG (Ongoing) ⌂ | *NodeJS, MongoDB, Express, Restful APIs, AWS, Google APIs*
- Led development of a Mess Management System for 1000+ students at IIIT Guwahati, boosting operational efficiency by 20%.
- Introduced real-time mess menu display, Canteen Payment Gateway Integration, and Complaint Portal, reducing complaint resolution time by 30%.
- Implemented Agile-based Evolutionary Model for streamlined operations and user-centric design, 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.

Learner's Hub ⌂ | *Django, JavaScript, Python, SQLite, Restful API*
- Developed a dynamic web-app with Django backend and JavaScript frontend, ensuring smooth functionality.
- Established a resilient RESTful API architecture and employed SQLite for optimized data storage and retrieval, enhancing system responsiveness and scalability.

TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript, C, C++, SQL
Databases: MySQL, PostgreSQL, NoSQL (MongoDB, Redis), Firebase Services
Frameworks & Platforms: Django, NodeJS, ExpressJS, TensorFlow, Android SDK, AWS, Spring Boot, Git, Docker
Concepts: Data Structures & Algorithms, Object-Oriented Programming (OOPs), Networking (TCP/IP), Machine Learning, Deep Learning, Linux, Microservices, Cloud Computing, RESTful APIs

ACHIEVEMENTS

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 with team "iDev" and project "IndieTour" in 48 hours long Inter-Institute(IIIT Guwahati and IIIT Kota) Hackathon under EBES.
Hackathons: Participated in hackathons like Samsung: Solve for Tomorrow, Walmart Sparkathon, KAVACH-23, and SIH-22, addressing diverse problem statements.