

GAURAV KUMAR


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OBJECTIVE

Computer Science graduate with a solid foundation in programming, data structures, algorithms, and design patterns, experienced in coding, problem-solving, design, and development, with hands-on experience in modern technologies and cloud solutions, seeking an entry-level role to contribute technical expertise and a continuous learning mindset.

PROJECTS

 **Elastic and scalable server on AWS:** Developed an AWS server with elastic scalability using Terraform and Git, optimizing performance under variable traffic loads through ELB (Elastic Load Balancer) and ASG (Auto Scaling Group) with real-time monitoring through CloudWatch and notifications via SNS.

 **Portfolio Website:** Designed and developed a website using React.js and hosted on vercel.com. It's a multi-page website and well structured for maintainability and future updates.

Day Organiser: Built a task management website to enhance productivity, using HTML, CSS, JavaScript, Bootstrap, React.js, Node.js, MongoDB. Achieved 500+ users with 100+ sign-ins, with server-side feed storage for user task tracking.

Analysis on Trending YouTube Video: Designed and developed a database using Oracle 10g to operate on data & data collection from Kaggle. Added features for vloggers to analyze trending video categories and views.

SKILLS & TECHNOLOGY

- **Programming Languages:** C++, Java, SQL Queries, Python.
- **Data Structures & Algorithms:** 400+ LeetCode questions solved, Design Scope, Troubleshooting.
- **Core Subjects:** OOPS, SDLC, Computer Networks, Operating Systems, Analytics, DBMS, Infrastructure.
- **Cloud & Development Tools:** AWS, Terraform, Docker, Jenkins, Prometheus, Git, Linux, Basic Azure.
- **Web Technologies:** React.js, Node.js, Express.js, Bootstrap, Security, Application Code Architecture.
- **Database:** Relational Database, Query Language, SQL, PostgreSQL, Deployment, Reliability, Accessibility.
- **Technical Skills:** Application Maintenance, Patches, Configuration, System Monitoring, Research Innovation.
- **Soft Skills:** Critical Thinking, Leadership, Teamwork, Self-Motivated, Work Ethics.
- **Languages Spoken:** English, Hindi.

EDUCATION

Bachelor of Technology, Lovely Professional University, Punjab.

July, 2019 - June, 2023

Intermediate, Holy Cross School (CBSE).

June, 2016 - March, 2018

High School, Adwaita Mission High School (CBSE).

Completed May 2016

TRAINING & ACHIEVEMENTS

- Ranked 1st among 1,000 participants in the Great India Hackathon 2022, sponsored by Microsoft.
- Training and Certification in DevOps under EPAM.

POSITION OF RESPONSIBILITIES

- Led and coordinated 25+ representatives for ONE INDIA, a college festival celebrating cultural diversity.
- Volunteered at 15+ college functions and programs.
- House Captain (winner) and Volleyball (winner) Team Captain in school.