DEEPANSHU AGGARWAL

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Objective

Innovative and detail-oriented Computer Science student with a strong foundation in software development and a passion for technology. Seeking an opportunity to leverage my technical skills and academic knowledge in a challenging role where I can contribute to impactful projects and grow professionally.

Work Experience

Application Engineer Intern - IDFC FIRST Bank　　　　　　　　　　　　　　**Jan 2025 − Present**

- Developing RESTful APIs and microservices in Golang using Test-Driven Development (TDD) with PostgreSQL, for event driven architecture.
- Configuring GoCD pipelines for automated testing of simulated microservices in development environment
- Integrated API testing with Postman and automated deployments using Docker for a containerized environment.

IT Intern - Deliver British Education　　　　　　　　　　　　　　　　**June 2023 − July 2023**

- Built responsive company portal using React & Tailwind CSS, increasing user engagement by 30%
- Customized learning management system and trained 70+ users, boosting platform adoption by 50%
- Created animated components that reduced bounce rate by 15% through improved UX

Education

Sardar Patel Institute Of Technology, Mumbai	**Dec 2021 − current**
Bachelor of Technology in the branch of computer engineering	*CGPA: 9.07/10*
St. Peter's Higher Secondary School, Jammu	**2019 − 2021**
Higher Secondary Education	*95.00%*

Positions Of Responsibility

Computer Society India - SPIT　　　　　　　　　　　　　　　　　　**Aug 2023 − current**
Vice-Chairperson　　　　　　　　　　　　　　　　　　　　　　　　　　*Mumbai*

- Led the technical committee in organizing coding competitions and hackathons.
- Maintained and enhanced technical websites and code repositories, ensuring optimal performance and user engagement.
- Orchestrated the SPIT-HACKATHON, efficiently managing a budget exceeding 3 lakh rupees.

Projects

DOCoMo - Digitally Operated College Module | *React, ExpressJs, MongoDb, Cloudinary Git*　　**Jan 2024 - current**

- Built and deployed a scalable student-college portal with REST APIs using Express.js, MongoDB, and Cloudinary, improving administrative workflow efficiency.
- Implementing a machine learning-based collaborative filtering system to suggest elective courses to students.
- Automating exam cell processes and course allocation to streamline administrative tasks.

Real-time Stock Analysis | *Kafka, EC2, Glue, Athena, SQL, Python, AWS S3*　　　　　　**March 2024**

- Implemented Apache Kafka for bulk streamlining of data, installed Kafka and Zookeeper on Amazon EC2 instances.
- Simulated a stock database, frequently sending data to Kafka producers and consumers.
- Used AWS Glue for data crawling and AWS Athena for analyzing stock data.

FitBit - Exercise Guiding App | *React, Material-UI, Rapid API Git*　　　　　　**June 2023 − Aug 2023**

- Developed a comprehensive exercise guiding app using three APIs (Exercise DB, Exercise Detail, YouTube API) to provide detailed exercise information.
- Integrated a BMI calculator, muscle group sorting, youTube player and step-by-step exercise instructions.

Technical Skills

Languages/Database: C++, Go, Python, C, Java, JavaScript, SQL, MongoDb, HTML, CSS, Postgres
FrameWorks & Libraries: React.js , Redux, Material Ui, Ant UI, Node.js, Express.js, GORM (Go ORM), Gin
Software & Tools: Postman, Github, Git, Figma, Tableau, Linux, Kafka, Docker, Bitbucket

Achievements

- Solved over **1300 problems** on GeeksforGeeks, LeetCode, CSES, and Coding Ninjas.
- Achieved a **rating of 1848** on LeetCode within 8 contests.
- Ranked Pupil **(Rating - 1261)** on Codeforces within 5 contests.
- Maintained a more than 330-day coding streak on LeetCode, solving problems daily.
- Won CSI-SPIT CodeHousie-2022, a problem-solving competition.