SHOBHIT KUMAR

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EDUCATION

Maharaja Agrasen Institute Of Technology (Guru Gobind Singh Indraprastha University) - New Delhi, India
Bachelor of Technology (Computer Science and Engineering)   August 2019 - July 2023 (Expected)
CGPA - 9.6/10

VVDAV Public School | C.B.S.E
AISSCE (CBSE XII) Aggr: 92.6%   2004 - 2019
AISSCE (CBSE X) CGPA: 10

EXPERIENCE

Coding Minutes - New Delhi, India
Content Creation Intern   April 2022-Present
- Reviewing and Developing question banks for Udemy courses that have a rating of 4.7/5.0 and are bestsellers in their category.
- Solving queries of students and assisting them in the practical implementation of concepts and approaches taught in the courses using languages such as Python, C++, and Java.

TechCurators - New Delhi, India
Problem Setter Intern   September 2021 - December 2021
- Reviewed and Developed question banks for companies to conduct their hiring tests on various platforms like HackerEarth and Hackerrank
- Developed high-quality, creative programming challenges involving various Computer Science concepts like Java Core, DBMS, SQL, NoSQL, and web development

Pepcoding Education Private Ltd. - Noida, India
Teaching Assistant for Web Development   June 2021 - August 2021
- Taught Web Development using Mongoose, Express, React, and Node **(MERN** stack) to 40+ students in foundation and placement batches at PEPCODING.
- Mentored 20+ juniors personally and guided others by clearing their doubts and queries.

PROJECTS

Computing Accuracy and Energy Efficiency of Nature-Inspired Algorithms
- Developed a model using Random Forest as the base classifier and implemented optimization algorithms such as Cuckoo Search, Grey Wolf, etc. on a dataset from UCI Machine Learning Repository in order to improve the accuracy by 10%.
- Compared the energy utilization of the algorithms and used libraries such as Matlplotlib and Seaborn for data visualization.

JTGeats - an interface for a food delivery application
- Used Figma to create the prototype of the user interface
- Developed the front end using HTML and CSS. Used Javascript to implement an Image Carousel and video section.
- Used the PixelPerfect extension to make the dimensions of all components as close to the prototype as possible and media queries for a better viewing experience on different machines.

Instagram Reels Clone
- Created an Instagram application with authentication and database using React framework.
- Used React custom hooks, and Context API to add functionalities to our app.
- Used Firebase for authentication and as a database, styled components to style the site

Apni-Yatra
- A Node.js web application designed to add, rate, and review different homestays so that it is a well-informed and well-prepared trip for other users.
- Tech Stack: HTML, CSS, JavaScript, Bootstrap, Ejs, NoSQL database, REST API

Machine Learning Algorithms From Scratch
- From the scratch implementation of supervised and unsupervised machine learning algorithms in Python
- Wrote short theory reports to explain the math and logic behind each algorithm

- **TECHNICAL SKILLS**
- Languages: C, C++, Python, Javascript
- Frontend: HTML5, CSS3, React.js, Node.js, Bootstrap 4
- Database: MongoDB, MySQL, PostgreSQL
- Others: Python libraries (NumPy, Pandas, Scikit-learn), Git, Figma

AWARDS AND ACHIEVEMENTS
- Awarded a laptop in freshman year based on CBSE boards exam performance
- GITHUB CIS HACKATHON: WINNER (1st Position, Code Innovation Series Organized by INCUBATEIND)
- EYANTRA HACKATHON(IIT BOMBAY): RANKED 6TH BEST TEAM out of 1878 registered participants.
- ICPC Prelims Round 2021: My team SEGVEG achieved the 4th-best position in our college.

EXTRACURRICULAR ACTIVITIES
- Conducted an event called Sudo Solve that required participants to solve challenging questions on DSA and CP for the annual tech fest Impulse'22 which saw 200+ registrations from all over India.
- Organizing Team Member of the FDP-IOT Workshop on "Internet of Things & its related Areas", conducted at college
- Public speaking and creative writing at Literary Umbrella, the literary society of the college
- Mentor for Data Structures and Algorithms in Java, and C++ at IOSD, the technical society of the college.
- Founding Member and Mentor for Competitive Programming at Codechef Chapter Mait - first such chapter in college
- Open Source Contributor at GSSOC 2021, NJACK 2020
- Volunteer at the Rotoract Club in college
- Campus captain at Coding Minutes and responsible for building a solid programming community in colleges with the aim to bring like-minded people together who love to code, develop, learn & innovate together.
- Mentor at SkillShip foundation for data structure and algorithms
- Member of the Rotary Club of Delhi Maurya
- Member of the Rotaract Club of Outstanding Business Students(RCOBS)

CERTIFICATIONS
- NPTEL - Introduction to Machine Learning by IIT Kharagpur. Scored 83/100 in the assessment assignments and examination - among the top 5% of all students who attempted the examination.
- Pepcoding - Data structures and Algorithms in Java.
- Coursera - 'HTML, CSS, and Javascript for Web Developers offered by John Hopkins University
- Udemy - 'Web Developer Bootcamp' by Colt Steele