Varun Dixit

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SUMMARY

A penultimate-year computer science major looking for opportunities in the software engineering industry, Hard-working individual with a passion for programming and strong foundations in data structures, algorithms, databases, and mathematics.

EDUCATION

Shiv Nadar University   *Greater Noida, India | 2020 – 2024*
Bachelor of Technology in Computer Science
- **Coursework**: Data Structures and Algorithms, Operating Systems, Database Systems, Social Information and Networks, Artificial Intelligence (AI), Probability and Statistics, Object Oriented Programming (OOP's)
- **Activities**: Member of Google Developers Club (GDSC), Winner of Finverse (Finance Event at SNU)

Swaraj India Public School   *Kanpur, India | 2017 – 2019*
Indian School Certificate (ISC), Science Stream (Computer Science)
- **Class XII**: 92.4%
- **Activities**: Proctor (Discipline Head) in School Government Association (2500+ students)

WORK EXPERIENCE

Photomath – Content Curator (Freelance)   *San Mateo, California | July 2020-2022*
An ed-tech startup with an app using AI/ML technologies to help users learn and improve math. (US$ 29M - Series B, 300M+ downloads)
- Solved and reviewed over 2500+ math problems in the domain of probability, statistics, calculus, vectors and algebra; provided solutions using LaTeX, GeoGebra (proprietary software tool) and Figma.

Plutonity Investment Advisory & Technologies Pvt. Ltd. – Software Developer Intern   *Gurugram, India | July. 2021-Sept. 2021*
An AI-powered micro-investment fintech start-up to invest spare change into mutual funds and enhance financial literacy in 400M+ Indians.
- Assisted in developing backend code snippets for multiple key functions including user authentication and extracting spare change from all the online payments. Gained experience working with AWS Cloud services to deploy infrastructure (S3 & RDS).
- Worked on designing the UI/UX of the mobile application in React Native using Material UI.

PROJECTS

Healthify @SNU
Technologies Used: React, MongoDB, Node.js, Express.js, Figma
- Developed a full-stack web-based application to automate the working of the healthcare system at Shiv Nadar University. Features include authentication for students, doctors and admin, AI chatbot, appointment booking, patient record etc.

Player Management System
Technologies Used: MySQL, Python, HTML, CSS
- A basic CRUD application designed to manage players across all sports for a particular club at universities. Gained a strong understanding of deploying databases and implemented triggers, functions, procedures along with improving query performance.

React Dhaba
Technologies Used: React, Firebase, Bootstrap
- Online Food Ordering Website based on React with dynamic loading of menu and receiving of order details through Firebase Realtime Database.

Social Media Network Project on Influence Maximization
- Worked on a research paper investigating the Influence Maximisation in Social Networks. Proposed proficient calculations and heuristics for the influence maximization problem using greedy approach, degree discount heuristics, independent cascade model and linear threshold model.

SKILLS & EXTRA-CURRICULARS

Programming: Java, C, Python, JavaScript (React & jQuery), SQL (MySQL), HTML5, CSS3 (Bootstrap)
Technical Skills: Figma, Adobe XD, Google Cloud, AWS Cloud, WordPress, Git, OOPs, Databases (SQL & NoSQL), Microsoft Office Suite (Word, Excel & PowerPoint), Tableau (Data Visualization), Machine Learning
Online Certifications: UX Design Foundation by Adobe, Google Cloud Engineering Track, Google Data Science and Machine Learning Track, Blockchain - Business Application and Analysis Specialization (Coursera)
Extra-curriculars: Quizzing, Basketball (Regional Level), Chess (1200 rated on Chess.com), Volunteering (Helpage India)