Rajat Kumar

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🔗 Personal Portfolio

EDUCATION

B.Tech in Computer Science and Engineering, Punjab Engineering College   December 2021 – present
Current CGPA: 7.24   Chandigarh

PROFESSIONAL EXPERIENCE

Software Developer Intern, Schoolpad Technologies Pvt. Ltd. ⧉   January 2024 – June 2024
Mohali
- Collaborated with the development team to develop and deploy full-stack solutions for diverse client projects, utilizing a stack comprising SQL, PHP Codeigniter framework, React.js, and RESTful APIs.
- Played a key role in the development lifecycle of multiple live projects, from the initial concept and design to implementation and deployment.

PROJECTS

SMART PRICE, Full stack e-commerce price tracking application ⧉
- **Tech Stack Used: Next.js, Bright Data, Nodemailer, MongoDB, and Tailwind CSS**
- Engineered an E-commerce price tracker using Next.js, enabling users to track Amazon product prices and receive email notifications for price drops and restocks, enhancing user engagement and purchase opportunities by 40%.
- Integrated real-time data scraping and email notification system, providing timely updates and informing users about product availability and price changes.

RISE TOGETHER, Full-stack crowd-funding application ⧉
- **Tech Stack Used: Next.js, TypeScript, MongoDB, Clerk, and Tailwind CSS**
- Designed a crowdfunding platform, incorporating advanced admin functionalities such as campaign management, user administration, secure Stripe payment integration, and robust user authentication via Clerk, ensuring efficient and safe operations, and increasing campaign success rate by 40%.
- Developed intuitive user-facing features for seamless campaign discovery, including category-based filtering and organizer search, significantly enhancing user experience and optimizing donation tracking by 60%.

CARE PULSE, Full-stack healthcare management application ⧉
- **Tech Stack Used: Next.js, TypeScript, Appwrite, Sentry, ShadcnUI, and TailwindCSS**
- Developed a comprehensive healthcare management system, featuring secure patient registration, appointment scheduling, and an admin dashboard for managing and monitoring appointments with real-time SMS notifications, improving scheduling efficiency by 50%.
- Implemented robust authentication and authorization protocols with Appwrite and Sentry, ensuring secure access to patient data and administrative functionalities, reducing unauthorized access incidents by 80%, and enhancing the application's reliability and user trust.

SKILLS

Programming Languages -
C++, Python, SQL, PHP, JavaScript, Dart, TypeScript

Libraries/Frameworks -
Bootstrap, Tailwind CSS, Node.js, jQuery, Express.js, React.js, Flutter, Next.js

Add-ons -
Data Structures, Algorithms, HTML5, CSS, EJS, REST APIs, Material UI, ShadcnUI

Computer Fundamentals -
Object Oriented Programming, Operating Systems, Computer Networks, DBMS, System Design

Developer Tools -
Git and Github, Visual Studio Code, PyCharm, Postman

Datastore Technologies -
PostgreSQL, MySQL, MongoDB

ACHIEVEMENTS

Secured Top 10 Position in ZS Campus Beats Tech and Case Challenge
- Secured a top 10 finish among 2500+ teams in a national ZS Associates competition by showcasing advanced technical proficiency and analytical insight, highlighting remarkable strategic and problem-solving capabilities.

Certificate of Completion ⧉
- The Complete 2023 Web Development Bootcamp

Certificate of Excellence ⧉
- C++ Foundation With Data Structures and Advanced Algorithms Live

Problem Solving ⧉
- Solved 400+ problems on various coding platforms like CodeStudio and LeetCode

Certificate of Appreciation
- Received Certificate of Appreciation from Punjab Engineering College for outstanding contributions during the academic year 2022-23.

POSITIONS OF RESPONSIBILITY

Implementation Body Member, PEC ACM-CSS ⧉   November 2022 – July 2023

Joint-Head (Discipline Committee), PECFEST - 2023   November 2023