Prabhmeet Singh

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EDUCATION

Punjab Engineering College, Chandigarh *2020 - 2024*
Bachelor of Technology, Production and Industrial Engineering GPA: 7.20/10

Relevant Coursework: Data Structures and Algorithms, Analysis & Design of Algorithms, Computer Networks, Web Development
Artificial Intelligence and Machine Learning, Internet of Things, Statistics and Probability, Operations Research

EXPERIENCE

UI/ UX Engineer Oct'24 - Present
AtomInfra

- Led UI/UX design for Atominfra, a SaaS web app for cloud management—monitoring, access control, cluster creation, and service deployment. Defined design direction while aligning with branding guidelines.
- Designed 200 pages in four months using Figma, Creatie.ai, Canva, and Vercel v0. Ensured consistency with rigorous reviews and component documentation, optimizing Figma components for uniform sizing.
- Integrated AI tools like Creatie.ai and Vercel v0 to accelerate workflows, improving consistency and quality while also cutting end-to-end process time by 60%.
- Contributed to front end development by participating in coding of key components like the landing page contact section and payment flow using Next.js leveraging libraries like Tailwind CSS, ShadCN, TypeScript, and MUI.

Associate Software Trainee Jan'24 - June'24
Incture Technologies

- Completed numerous assignments related to Spring and Spring Boot applications, gaining a strong foundation in core Java principles and best practices.
- Created several projects like low-level library managing software which helped me gain proficiency in developing robust applications with thorough error handling

TECHNICAL SKILLS

Languages C++, Java, SQL, HTML, Cascading Style Sheets (CSS), Javascript, Typescript
Softwares Figma, Creatie.ai, Canva, Linux, MySQL, NodeJs
Libraries NextJs, ExpressJs, Bootstrap, Tailwind, ShadCN, ReactJS

RELEVANT PROJECTS

Healbook: Web Application for maintaining medical records https://healbook.in

- Designed and built a responsive and dynamic healthcare web application by leveraging a robust tech stack (Nextjs for front-end and back-end, Kinde auth for user authentication, tailwind CSS, MySql) aiming to digitize medical records to revolutionize how patients and healthcare professional interact with and maintain medical prescriptions.
- Implemented and developed a supporting chatbot using Laravel and Serverless inference to get context supporting answers from Llama 2.0 and Zephrus. This implementation saw our team reach the finals and place in the top 15 in a nationwide Hackathon (GeeksForGeeks Vultr Innovate Hackathon)

WhoTops: Leetcode and Codeforces Weekly Leaderboards Webapp GitHub Repository

- Developed a web app using Next.js (frontend) and Express.js (backend) that enables users to form groups and track LeetCode progress via weekly leaderboards. Optimized API calls to reduce data-fetch latency by 20%.
- Implemented a serverless authentication system leveraging codeforces API keys to solve the issue of absence of Oauth within Leetcode and codeforces. Designed a scalable point system (5/8/10 pts per problem) to drive engagement.

Infromto: Web Application for flight search https://infromto.netlify.app/

- Developed a flight search web application using Next.js and Tailwind CSS prioritizing clean design and efficient code for high minimalism
- Integrated SERP API to retrieve and display flight data, enabling users to quickly search and compare flight options sorted by price, improving search efficiency by upto 50 %

Personal Portfolio Visit Portfolio

- Developed and deployed a simple personal portfolio website to showcase skills and projects

Sales Analysis and Forecasting using Machine Learning techniques

- Applied machine learning models (SARIMA, XGBoost, Prophet) to forecast sales using Rossmann store data (1,115 stores). Processed, cleaned, and conducted in-depth exploratory data analysis to optimize time series predictions.
- Evaluated models using MAE, RMSE, and MAPE, selecting SARIMA$(1,1,1)$x$(0,1,1,12)$ as the best performer due to its lowest RMSE. Provided key insights on model reliability, leading to improved data-driven forecasting decisions.

Autonomous Water Debris Collector

- Collaborated in a team to create a unique boat-type mechanism over 2 months. It could autonomously collect debris and navigate on water surfaces using proximity sensors
- We patented the unique design (2 international design patents) that was achieved through optimising the weight-to-performance ratio and implementing an effective, well-planned design.

POSITIONS OF RESPONSIBILITIES

CDGC, Placement Cell, PEC Chandigarh, *Training/ Placement Class Representative*   Apr '22 - May '24

- As the Training Class Representative, assisted in placement and internship coordination.
- As the Creative/ PR team Sub-head, helped in organising events such as the Pre-placement training (PPT) and Open-House events.

Voyagers, Chandigarh, *Member and Coordinator*   Apr '22 - Apr '23

- Organized live interactive sessions on Social topics and Soft Skills Development
- Participated and helped organize seminars on important issues like Gender paygap etc

EXTRACURRICULAR ACTIVITIES

- **Hackathons and Open Source:** Participated in various hackathons and coding contests, recently in the GFG Vultr Cloud Innovate Hackathon, also actively contributing to open source
- **Teaching:** Have tutored various kids of class 8, 9, 10, 11 in math and science
- **Coding Contests and Competitive Programming:** Actively participated in coding contests across codechef, codeforces
- **Hobbies:** I enjoy watching Football, Reading Fiction Books, appreciating artwork, Teaching and Listening to Music