Shubham Singh

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Education

Punjab Technical University	August. 2021 – July 2025
Cgpa-8.90	Amritsar, Punjab
Bachelor of Technology in Computer Science and Engineering	

Relevant Coursework

- Data Structures and algorithm
- Restful Api Development
- Python and Django
- Database Management
- Generative Ai
- Mern stack
- Systems Desigm(LLD,HLD)
- Data science and ML

Experience

Software engineering Intern — April 2023 – August 2023
at Designing Solution — Amritsar, Punjab
- Design ,architect and develop the back-end and APIs, primarily using MERN stack.
- Develop effective and optimized solutions.
- Translated Wireframes and Designs into functional Web apps using HTML5, React, and Mongo.
- Maintained and enhanced existing application frameworks and application development tools
- Created RESTful services with Node.js

Startup-Code Garage — May 2024 – Sep 2024
Front End Developer Intern — Amritsar, Punjab
- Assisted in development of the adaptive website layouts to different screen sizes using media queries and Vue.js
- Contributed in optimizing website loading speed and performance using advanced DOM manipulation and JS.
- Collaborated with team members using version control systems such as Git to organize modifications and assign tasks.
- Assisted in identifying and fixing errors in front-end code using browser developers tool.

Projects

AI-Powered Software-as-a-Service Application| Next.js,OpenAi,Tailwind,Prisma,Stripe — May-Sep 2024
- Developed a software as a service(SaaS) platform that leverages advanced Artificial Intelligence (AI) to generate code, images, videos, music, and conversations, text-recognition, 3-D model generator.
- The platform will cater to a wild range of users, including developers, designers, content creators, and business.
- Providing them tools to automate and enhance development processes.
- User-friendly and responsive layout to handle query using Tailwind CSS, Authentication and Authorization using Clerk, Replicate-Ai, Open-AI, Server error handling using react-toast, Stipe for monthly subscription.

Study-Notion- EdTech Platform |ReactJS, NodeJS, MongoDB, and ExpressJS. — Aug-Nov 2023
- Study-Notion is a versatile and intuitive ed-tech platform that enables users to create, consume, and rate educational content.
- It provides a seamless and interactive learning experience for students while offering platform for instructors to show their expertise and connect with the learners worldwide.
- The platform is build using the MERN stack, which includes React.js, Node.js, MongoDB, and Express.js.
- RESTful API calls to communicate with backend, deployed on Vercel.

Inventory-Management System |Python, Django, Bootstrap, CSS, Ajax — Jan 2025
- Created sales and inventory management system for the MISHI-PAY(HACKATHON), utilizing Django, designed for coordination among administrators and staff. Simplifying goods management, sales, purchase, billing, and invoices creation. Useful for the Vendors and Customers both.

Skills-Accomplished

Languages known	: **Python, C++, C, HTML/CSS, JavaScript, SQL**
Technologies/Framework	: **VS Code, Eclipse, Google Cloud Platform, Android Studio**
	: **Linux, Jenkins, GitHub, JUnit, WordPress,React.js,Node.js,express.js**
Database	: **MongoDB**

Leadership / Extracurricular
Sep. 2021 – Present

- Achieved a overall CGPA of 8.90 till 6th semester
- 2nd rank at Coding bytes hosted by the Hackerrank for Inter-College Code War
- Weekly Participation in LeetCode and Hackerrank contests with an overall submission of 600+ problems
- Data Science Paper presentation winner at Inter-college Competition (Khalsa College Of Engineering)
- AWS Certification from IIT Madras, Learner -Applied Data Science -World Quant University