

SHRIYANSH SINHA

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[Portfolio](#)[Github](#)[Linkedin](#)

EDUCATION

Indian Institute of Technology, Patna

B.Tech - Civil Engineering

GPA: 8.01 (till 6th sem)

Patna, India

November 2021 - May 2025

(expected)

K.C.M School

Intermediate- CBSE - 91.6 percent

Moradabad, India

May 2020

PROFESSIONAL EXPERIENCE

SDE Internship , Inplayin | Flutter, Dart, .NET, Android Studio, Firebase

May 2024 - July 2024

Engineered a comprehensive property trading app to streamline buying, selling, and managing properties.

- Designed 40+ responsive interfaces using Flutter’s frontend framework.
- Connected to RESTful APIs and Firebase Firestore for real-time data.
- Engineered a secure login with Firebase Authentication.
- Implemented key features including an adaptive property listing system, an advanced search functionality, and a transaction management module integrated with real-time notifications.
- Conducted testing using the JEST Testing Library, Honed debugging skills using the web developer tools.

Machine Learning Internship, IIT Roorkee | Python, Jupyter Notebook, Typescript, React

June 2023 - August 2023

[Video Demo](#)

A Python-based Machine Learning, Top 5 Movie Recommender System with 90% accuracy and an intuitive interface.

- Used an LLM-based NLP model to analyze 10,000 entries, boosting accuracy by 25%.
- Pre-processed 10,000 movie records, reducing data noise by 20%.
- Applied vectorization and SVD to enhance similarity measures and uncover latent factors in 10,000 reviews.
- Extracted key features through feature engineering, boosting model performance by 15%.

PROJECTS

AutoDeploy - Single Click Deployment to the Cloud | Typescript, Redis, AWS, CORS, Simple-Git, Express

August 2024

- Built a Cloud deployment platform with one-click deployment.
- Designed a three-tier service architecture (upload, deploy, request handler) for scalability.
- Used AWS cloud and Redis for queuing, with autoscaling for traffic management.
- Users simply input a repository URL to instantly receive the deployed app URL.

[Link to Repo](#)

Decentralized-Voting-System | Ethereum-Blockchain, Node.js, Metamask, Python, FastAPI, MySQL

July 2024

[Video Demo](#)

- Implemented JWT for secure voter authentication and authorization.
- Utilized Ethereum and Smart Contracts for tamper-proof and transparent voting records.
- Devised an admin panel to manage candidates, set voting dates, and monitor results.
- Crafted an intuitive UI for voters to cast votes and view candidate information.

A Financial literacy Web App | Typescript, MongoDB, Express.js, React.js, Bcrypt, AWS

March 2024

[Video Demo](#)

- Created a One-Stop Financial Literacy Web App using TypeScript, MongoDB, and Express.
- Integrated a Blogging Platform with community support (Using Express.js and MongoDB)
- Introduced a Quizzing Platform, which offers 10+ topics of personal finance and money management.
- Incorporated a Resource Library(40 + articles), Daily Streak Tracker, as well as the Latest Finance News.
- Ensured security with JWT for authentication and Bcrypt for password hashing, using a NoSQL database.
- Deployed on AWS EC2 with a scalable architecture for optimal performance and flexibility.

ACHIEVEMENTS / LEADERSHIP

- 4 Star on CodeChef with max rating of 1804.
- Specialist on Codeforces with over 460+ questions on Codeforces.
- Solved over 575+ questions on Leetcode with a max rating of 1749.
- Cultural Secretary, Students’ Body IIT Patna - Led all (50+) socio-cultural events, represented students in administrative forums, and managed year-round activities at the institute level.
- Web Development Team Lead for Samnivesha(Technical Fest) at IIT Patna - Led a team of 8 members.

SKILLS

- Languages: C++, C#, Python, JavaScript, TypeScript, SQL, Dart.
- Front-end Development : HTML, CSS, JavaScript, TypeScript, React.js, SASS/SCSS, Redux/Context API, Rest API, Flutter.
- Back-end Development : Node.js, Express, Docker, Kubernetes, JWT, AWS, FastAPI, Firebase, Redis.
- Technologies : Git, API Testing, Databases (MySQL, PostGreSql, MongoDB), Unit Testing, Debugging, Azure Devops, Docker, Automation, Ethereum Blockchain, Microsoft Office - Excel, Powerpoint, Tableau.
- Relevant Courses : Operating Systems, OOPS, Data Science, ML, System Design, DBMS, Data Structures and Algorithms(1300+ problems solved).
- Soft Skills: Agile Mindset, Tech-Agnostic, Adaptability, Ability to navigate through Unstructured Problems, Creative Thinking, Data-Driven Decision Making, Thrive in a Team Environment.