Pratyush Sinha

Software Developer / Full Stack Developer

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EDUCATION

Our Own High School   Al Warqa'a, Dubai, UAE
High School Diploma – 95.8%   *Apr. 2009 – July 2021*

Vellore Institute of Technology   Vellore, India
Bachelor of Technology (B. Tech) – Computer Science and Engineering – 8.98/10   *Sept. 2021 – Jun. 2025*

TECHNICAL SKILLS

Languages: Python, C/C++, Java, HTML/CSS, Javascript, SQL, NoSQL (MongoDB)
Development: NodeJS, ReactJS
Developer Tools: GitHub, Docker

EXPERIENCE

Jurident – VALSCO Technology Pvt Ltd.   August 2024 – November 2024
Frontend Developer Intern (Remote)   *Vellore, India*
  * Started off the internship by adding **Spline** (a 3D design software) to personal portfolio.
  * Developed web application of renting and offering handwritten notes through a money making platform to initiate the renting process physically in person.
  * Successfully launched a web application that facilitates the use of parallax effect.

PROJECTS

Subscription API Tracker   February 2025 – Present
Node.js, Express.js, MongoDB, JWT, Bcrypt, Arcjet, GitHub
  * **Developed a secure and scalable RESTful API** using Node.js and Express.js to handle user authentication, subscription management, and access control.
  * **Implemented JWT-based authentication** for secure user sign-in/register, with bcrypt for password hashing and role-based access control (RBAC) to differentiate user and admin privileges.
  * **Designed a robust MongoDB schema** to efficiently store and manage user data, subscriptions, and transaction logs.
  * **Integrated Arcjet for rate limiting** to prevent abuse, enhance API security, and control traffic flow, ensuring optimal performance and protection against bot attacks.

Scatch E-Commerce Website   January 2025 – February 2025
Node.js, Express.js, MongoDB, JWT
  * Designed and developed a **RESTful API** using **Node.js and Express.js** to handle authentication, product management, and order processing.
  * Implemented **JWT-based authentication** for secure user sign-in/register, with role-based access control (RBAC) for admin and user permissions.
  * Built a scalable **MongoDB database schema** to efficiently store and manage user data, products, orders, and transactions.
  * Designed and integrated a dynamic product catalog with detailed listings, cart management, and order processing along with a login/sign-up page.

CERTIFICATIONS

MERN Full Stack Certification   Aug. 2024
Ethnus   *https://ethnus.com/certverify*
  * Credential ID: XKH5HH27