Harsh Kumar

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EDUCATION

Vellore Institute of Technology, B.Tech in Computer Science (CGPA: 7.85)		2022 – Ongoing
Dony Polo Public School, Intermediate in Science (74.8%)		2021
Dony Polo Public School, Matriculation (71%)		2019

TECHNICAL SKILLS

Programming Languages: C++, Python
Frontend Development: HTML, CSS, JavaScript, React.js, Bootstrap, Tailwind CSS
Backend Development: Node.js, Express.js, MongoDB
Version Control: Git, GitHub
Content Management: WordPress
Machine Learning: Regression, Classification, Clustering, NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn

EXPERIENCE

CLOUDCONICS CONSULTING Pvt. Ltd.

As a Full Stack Developer at CloudConics, I specialize in designing and deploying scalable SaaS platforms. I combine modern frontend frameworks (React) with robust backend technologies to deliver seamless user experiences

- Architected and developed a full-stack application using the MERN stack (MongoDB, Express, React, Node.js)
- Developed an administrative portal for managing ongoing projects, tracking employee responses, and assigning tasks
- Designed and developed RESTful APIs for CRUD operations
- Built responsive user interfaces using a mobile-first approach for optimal viewing across devices
- Integrated third-party APIs (Stripe, Twilio) to streamline payment and notification workflows
- Followed Git workflow for version control and participated in collaborative code development
- Worked closely with cross-functional teams (UX, DevOps, QA) to deliver high-quality products on time Link

PROJECTS

EduConnect   2024
Educational Platform (**MERN Stack**)

- Developed a comprehensive virtual classroom platform that solves the critical issue of assignment plagiarism in online education
- **Problem Solved**: Implemented **SHA256** cryptographic hashing to detect and prevent students from submitting copied assignments
- **Backend Stack**:
  * Frameworks: **Express.js**, **Socket.io** for real-time features, Mongoose for ODM, Express-validator for input validation
  * Security: Implemented **bcryptjs** for encryption, **JWT** for authentication, crypto for **SHA256** hashing
  * File Handling: Integrated **Cloudinary** for storage, **Multer** for uploads, **docx**-reader and **pdf2json** for document processing
- **Development Tools**: Utilized nodemon for development, **dotenv** for environment management, **uuid** for unique identifiers
- **Infrastructure**: **MongoDB** database, **CORS** for API security
- **Frontend**: React with Vite, **Tailwind CSS**, **Socket.io-client** for real-time features
- GitHub: Repository

ASK MY TEACHER   2024
Educational Platform (**MERN Stack**)

- Developed a full-stack educational platform enabling students to connect with teachers and schedule doubt-solving sessions
- **Backend**: Built with **Node.js** & **Express.js**, using **MongoDB/Mongoose** for data management, implemented **JWT** authentication
- **Cloud Services**: Integrated **Cloudinary** for file uploads, **Nodemailer** for notifications, and **dotenv** for configuration
- **Security**: Implemented express-validator for input validation, **bcryptjs** for encryption, and **CORS** for API security
- **Frontend**: Created responsive UI using React, **Accertinity UI**, and **Tailwind CSS** with **Axios** for API integration
- Links: GitHub — Demo

ACHIEVEMENTS

Smart India Hackathon 2024: Internal Finalist (All Three Rounds)
BlockBash Hackathon 2023: Finalist at HackerEarth
IIT Jammu ALGOBASH: Secured top 20 position with 177/200 points
Certifications: Full Stack Developer, Bytes and Bytes of Computer Networking