

# Piyush

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## EDUCATION

### JSS ACADEMY OF TECHNICAL EDUCATION, NOIDA

B.TECH (INFORMATION TECHNOLOGY)  
JULY 2019 - JULY 2023 | Noida  
CGPA: 7.6

### DELHI PUBLIC SCHOOL AISSCE

2018 | Patna, India  
91%

### DELHI PUBLIC SCHOOL AISSE

2016 | Patna, India  
CGPA: 10

## SOCIAL LINKS

LinkedIn:// [piyush0406](#)  
GitHub:// [piyush0406](#)

## COURSEWORK

### UNDERGRADUATE

- DBMS
- Web Technology
- OOPS
- DSA

## SKILLS

### HANDS-ON

- Javascript
- Python
- React.js
- Node.js
- Express.js
- MongoDB
- Mongoose
- Docker
- Git

## EXPERIENCE

### KAZAM | BANGALORE | SOFTWARE DEVELOPER ☯

JANUARY 2023 - PRESENT

- Implemented an **Energy Management System (EMS)** to monitor and optimize energy usage across large-scale facilities.
- Developed a real-time **Live Depot View** to optimize fleet tracking, charger mapping, and operational efficiency for bus depots and park-and-charge hubs.
- Configured **Single Line Diagram (SLD)** integration with smart meter mapping and visual previews for seamless energy tracking, enhanced UX through drag-and-drop components.
- Developed a centralized **EMS Dashboard** with KPIs like energy consumption, smart meter uptime, and charger efficiency.
- Integrated IoT-enabled **data loggers** and smart meters for real-time energy data collection and system insights.
- Delivered advanced insights into **electric bus charging** behaviors, energy use, and battery management.
- Identified depot inefficiencies through detailed **energy loss reports** comparing grid imports, distribution, and utilization..
- Enhanced electricity billing accuracy with **dynamic tariff calculations**, peak demand penalties, and off-peak rebates.
- Tech Stack** - Typescript, SvelteKit/TailwindCSS , MongoDB, NodeJS, Redis.

### MHPL | DELHI | SOFTWARE DEVELOPER INTERN ☯

JUNE 2022 - SEPTEMBER 2022

- Worked as a **Frontend Developer** to design and develop company's **UI/UX**.
- Translated Design and Wireframes into high quality code using **ReactJS**.
- Deploying, managing, and developing **MongoDB clusters**.
- Performed **CRUD** operations on the data imported.
- Created custom **APIs** to fulfill application requirements using **NodeJS**.
- Tech Stack** - Typescript, ReactJS/TailwindCSS , MongoDB.

### URGESTURE | NOIDA | FULLSTACK DEVELOPER INTERN ☯

OCTOBER 2021 - MARCH 2022

- Developed a launch website for the client's company that boosted their **revenues by 50%**.
- Application development was based on **LAMP** stack.
- Implemented a **Fullstack Web Application** that allowed NGOs to crowdfund.
- Successfully established dashboard for 3 types of users – **Donor, NGO, and Admin**.
- Hands-on experience in deployment using **Git** in **AWS** (Route53, EC2)
- Tech Stack** - HTML/CSS, Bootstrap, MySQL, Route53.

## PROJECTS

### QUIZMASTER ☯

- Build a simple quiz web application in which you can play a quiz and add new categories and new questions.
- For Frontend part **React.js** is used and in Backend **Node.js** in which all **CRUD** operations are performed and for **Database NoSQL(MongoDB)** and both Frontend and Backend are deployed separately and interact through API.
- Build **Login, Signup, User Confirmation** and **OTP Confirmation (through NodeMailer)** functionalities from Scratch.

### ONLINE IDE ☯

- Built an **online IDE** for running **JAVA , C++,PYTHON** programs.
- For **frontend**, **ReactJS** was used, for **backend**, **NodeJS** was used and **child-process exec()** was used to execute **shell commands** for compiling codes.
- Docker** was used to make necessary compilers available to the backend.

### CRYPTO PRICE TRACKER ☯

- Built a website to show various crypto coins' current market price and show **BTC charts(Chart.js)** to understand more about the current market price of that crypto coin.
- Use **ReactJs** for frontend and **Axios** to retrieve data from an API.
- Implemented the **React Router DOM** to allow nested **RESTful** routing.

### VIDEO CHAT APPLICATION ☯

- Made a video chat application using **Websockets** and **WebRTC**, where two users can have a video call with a **end call button** and can **mute audio and video**.