

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

INTERNSHIP EXPERIENCE

MHPL | DELHI | SOFTWARE DEVELOPER 🌐

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 fulfil application requirements using **NodeJS**.

URGESTURE | NOIDA | FULLSTACK DEVELOPER 🌐

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)

CONTREE LOCAL | JAIPUR | FRONTEND DEVELOPER 🌐

JULY 2021 - OCTOBER 2021

- Implemented a Fullstack Web Application that simulates a Newsroom experience with the usage of blogs.
- Utilized PHP(**HTML, CSS, Bootstrap, JavaScript**) to create **10+ responsive webpages** for the company.
- Briefed the **Development Team** on website research and made suggestions for website builds/products.

PROJECTS

SECURITY PRIORITIZATION BASED ON VULNERABILITY DESCRIPTION 🌐

- Developed an **automated vulnerability classification** system using deep learning techniques, including state-of-the-art models such as **BERT** and **RoBERTa**, to enhance cyber threat intelligence efforts.
- Evaluated and demonstrated the effectiveness of the system using **2,72,385** vulnerability reports, showcasing superior performance compared to traditional methods and even outperforming advanced models like **SVM, CNN-LSTM**, and **graph convolutional neural networks**.
- Employed **BERT** and **RoBERTa tokenizers** to **preprocess and encode** textual data, ensuring compatibility with the corresponding models for vulnerability classification. This facilitated effective utilization of contextual embeddings and improved the accuracy of **vulnerability categorization** within the automated system.
- Improved the accuracy and efficiency of security products by providing more accurate and time-saving validation of vulnerability data.

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.

AMAZON CLONE 🌐

- Built an **Amazon clone** with **basket, login(using Firebase) page, order listing, payment processing(Stripe)**, etc.
- Used **Firebase** for **Database** and **user authentication**.