

# Shlok Panpaliya

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## Summary

A Third-year Computer Science undergraduate student and a passionate coding enthusiast interested in exploring various horizons of Computer Science actively looking for a summer internship.

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## Education

**BTech (Computer Science)** -Indian Institute of Information Technology,Nagpur,India(7.70/10)

2018-2022\*

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## Technical Skills

- **Programming languages** - Python, C++, JavaScript, Java, C.
  - **Tools and Framework** - Node.js, Express, Embedded JavaScript(EJS), MongoDB, MySQL, Mongoose ODM, React JS, Selenium, Numpy, Pandas, Matplotlib, Seaborn, Plotly, Cufflinks, scikit-learn, Git.
  - **Platform** - Linux, Windows.
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## Projects Undertaken

- **To-Do List-WebApp (Live: [Deployed app link](#))**
    - Designed and developed web application using Node.js, Express.js, EJS, MongoDB, Mongoose technologies which takes user inputs as a to-do list.
    - Configured MongoDB as the database backend for user data which was deployed using MongoDB Atlas on AWS as the cloud provider.
    - Performed CRUD operations using Mongoose on the MongoDB database.
    - The Web App is deployed on Heroku Cloud Application Platform running live.
  - **Amazon Web Scraper ([Code](#))([Demo Video](#))**
    - Wrote a Python script using Selenium to automate search of products on the Amazon website.
    - The script takes the name of the product and price range and displays all the filtered products one by one.
    - In the end, it makes a JSON file which stores all the details of the filtered products.
  - **Object Tracker ([Code](#))([Demo Video](#))**
    - Trained a **HAAR Cascade Classifier** with positive and negative samples and generated an XML file that has a big list of HAAR features.
    - The above-trained classifier was used to detect cars and pedestrians in realtime with OpenCV.
  - **Blog Website**
    - Designed and developed a blog website using Node.js,Express.js, EJS, MongoDB, Mongoose technologies which take users blog content which gets pushed to the MongoDB database.
    - Mongoose a MongoDB object modeling tool is used to connect to the MongoDB database and perform CRUD operations.
  - **Bitcoin Ticker**
    - Developed an API using Node.js and Express.js to extract live values of bitcoin from an external API.
    - Built a dashboard displaying live values of bitcoin in different currency hosted on a local Linux Server.
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## Research

- **Acceptance to write a chapter in a book named “Data Science and its Application” by NIT Raipur.**
    - Writing a book chapter by the name “Data-Driven Approach for better yield of Cotton” to be published by CRC Publications with detailed analysis on factors affecting the growth of cotton from 10 years of data collected.
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## Relevant Interest

- Data Structures & Algo, Competitive Programming, Full Stack Development, Machine Learning, Web-Automation.
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## Achievements

- Four Star coder(max 1871) at CodeChef and among the top 500 in various programming contests.
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## Links

Worried about my programming experience? Check out my profile.

[GitHub\\_Link](#) | [CodeChef\\_Link](#)